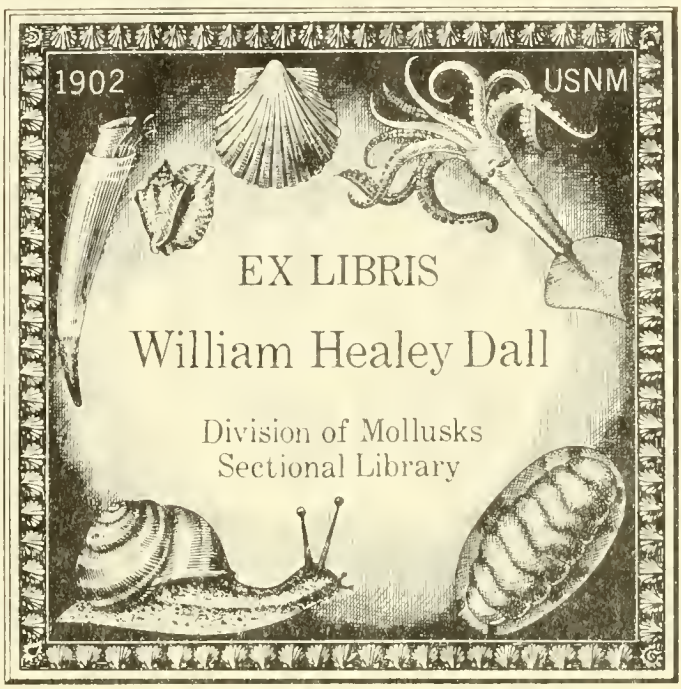
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# MONOGRAPHS

of Genera of Shells contained in the third volume of the

## 'THESAURUS CONCHYLIORUM.'


| | Page | Plates in Thes. |
|---|---|---|
| Conus | 1 to 56 | 187 to 210 |
| ,, (Supplementary) | 325 — | 286—289 |
| Ancillaria | 57 — 68 | 211—214 |
| Eburna | 69 — 72 | 215 |
| ,, (Supplementary) | | 291 |
| Pseudoliva | 73 — 76 | 216 |
| Cyllene | 77 — 80 | 217 |
| Terebellum | | 218 |
| Erato | 81 — 84 | 219 |
| Nassaria | 85 — 88 | 220 |
| Phos | 89 — 96 | 221—222 |
| Dentalium | 97 — 104 | 223—225 |
| Nuculidæ (Family), including the Genera Solenella, Neilo, Yoldia, Læda, and Nucula | 105 — 168 | 226—230 |
| Harpa | 169 — 172 | 231 —233 |
| Galeomma, Scintilla | 173 — 182 | 234—235 |
| Fissurellidæ (Family), including the Genera Fissurella, Fissurellidea, Clypidella, Macrochisma, Pupillæa, Cemoria, Zeidora, Rimula, Emarginula, Scutus, Tugalia | 183 — 226 | 236—248 |
| Solarium, Bifrontia | 227 — 248 | 250 —254 |
| Cyclostrema, Adeorbis, Teinostoma | 249 — 262 | 255—256 |
| Argonauta | 263 — 264 | 257—258 |
| Pomatias (11 species of) | 265 — 268 | 259 |
| Voluta and Melo, completed from Vol. I. | 269 — 276 | 260—262 |
| Pupinidæ (seven Genera of) | | 263—265 |
| Helicina, New Monograph | 277 — 302 | 266—278 |
| Carinaria | 303 — 304 | 279 |
| Donax | 305 | 280—283 |
| Typhis | 319 — 320 | 284 |
| Trichotropis | 321 — 322 | 285 |
| Cerithium, completed from Vol. II. | 329 | 290 |


A double copy of the Title and Index is given, for the convenience of those who have adopted the plan formerly recommended of binding the Plates in one cover and the text in another.

OM1. 21.59.7.

# CONUS.—Plate I.

(*The Specimens figured are chiefly from Mr. Cuming's collection.*)

Fig. Sp.

1. 3. VIRIDULUS, *Lamk.* 9.*—fuscatus, var., *Brug.* Indian Seas and Zanzebar, *Cum.*

2. 1. IMPERIALIS, *Linn.* 291.* Indian Seas, Philippines, *Cum.*

3. 2. FUSCATUS. *Born, Ind. p.* 126.* Indian Seas, Zanzebar, and Philippines, *Cum.*

4. 6. NOCTURNUS, *Brug. E. M.* 6;* *Lamk.* 3. Moluccas.

5. 4. MARMOREUS, *Linn.* 290. China Seas, Pacific, and Philippines, *Cum.*

6, 7. 7. DEBURGHIÆ, *Sowb. Thes.** Moluccas. From Mrs. De Burgh's collection.

8. 5. BANDANUS, *Brug. E. M.* 5. Philippines and Zanzebar, *Cum.*

9, 10. 8. VIDUA, *Reeve, Z. P.* 1843; *C. I.* 45.* Island of Capul, Philippines, *Cum.*

11, 12. 9. NICOBARICUS, *Brug. E. M.* 7; *Lamk.* 4. Island of Nicobar.

13. 11. PEPLUM, *Chemn.* x. *pl.* 144. *f.* c.* Red Sea.
(and f. 390.)

14. 10. ARACHNOIDEUS, *Gmel.* 10; *Dillw.*—araneosus, *Brug.* 8. Ceylon, Philippines, etc.

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* ABBREVIATIONS.

"*Lamk.* 9."—Ninth species of CONUS in the 'Animaux sans Vertèbres' of Lamarck.

"*Linn.* 291."—291st species of "Testacea" in the 'Systema Naturæ' of Linnæus.

"*Born, Ind.*"—Born's 'Index Musei Cæsaris.'

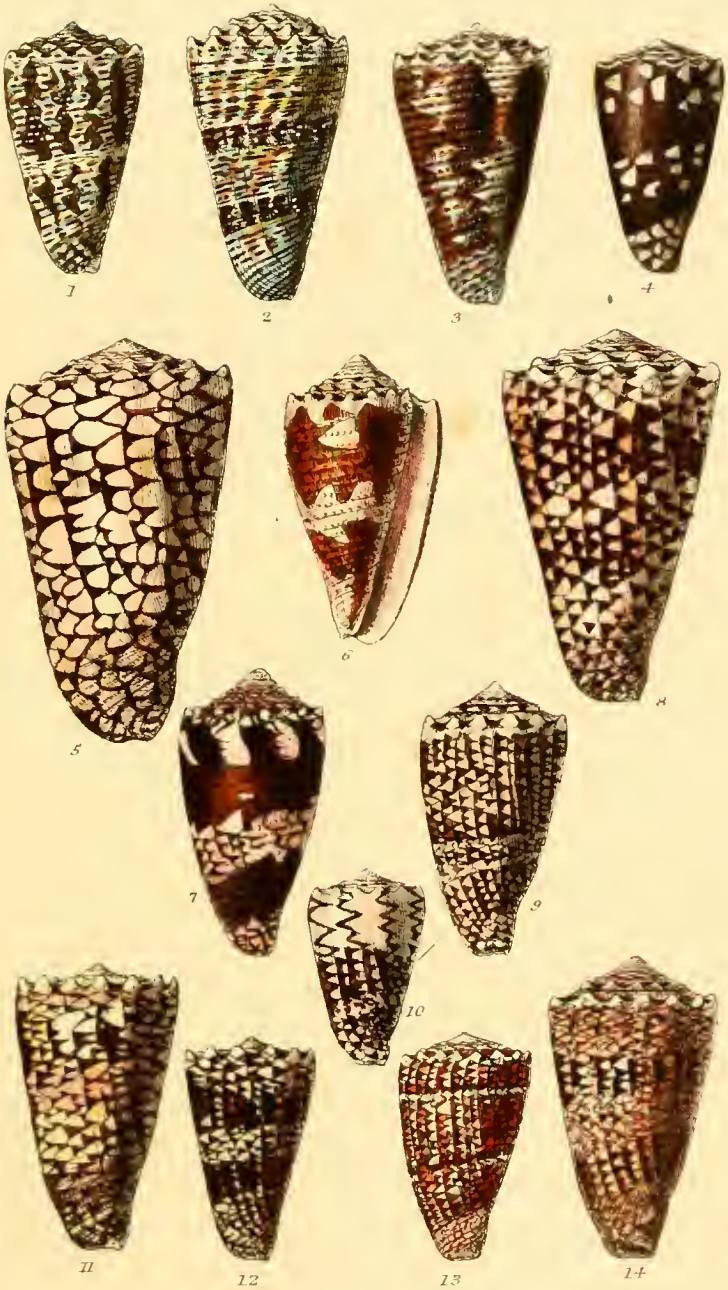
"*Brug. E. M.* 6."—Sixth species of CONUS in 'Histoire Naturelle des Vers' of Bruguière, in the 'Encyclopédie Méthodique.' The names and Latin descriptions are from the MSS. of *Hwass.*

"*Sowb. Thes.*"—The present Monograph.

"*Reeve, Z. P.*, and *C. I.*"—'Zoological Proceedings' and 'Conchologia Iconica.'

"*Chemn.*"—Chemnitz, 'Conchylien Cabinet.'

CONUS, PL. 1.



## CONUS.—Plate II.

Fig. Sp.

15. 12. zonatus, *Brug.* 9. Nicobar Islands.

16. 56. Ceylonicus, var. (see f. 22).

17, 18. 54. arenatus, *Brug. E. M.* 16; *Lamk.* 18. Ceylon.

19–21. 53. pulicarius, *Brug. E. M.* 17; *Lamk.* 19.—Var. *f.* 19. fustigiatus, *Brug. E. M.* 18. Pacific Islands and Philippines.

22. 56. Ceylonicus, *Chemn.* x. *f.* 1318.—obesus, *Lamk., etc.*—Zeylanicus, *Wood.* Ceylon.

23. 55. Vautieri, *Kien. Icon. pl.* 100. *f.* 3.* Marquesas.

24, 25. 30. archithalassus, *Dillw.* 374, as of *Solander.*—ammiralis, var., *Lamk. etc.* Mauritius.

26. 34. Taheitensis, *Brug. E. M.* 108. Tahiti.

27. 21. lividus, *Brug. E. M.* 28 (1892), not C. lividus, *Chemn.* xi. (1895). Society and Philippine Islands and Mauritius.

28, 29. 25. distans, *Brug. E. M.* 32.—"Memmonitarum coronatus," *Chemn.* Tahiti, on reefs, *Cum.*; Philippines.

30. 86. sulcatus, *Brug. E. M.* 14; *Lamk.* 15.—Var. C. costatus, *Chemn.* xi.—C. asper, *Lamk.* 44. China.

31–33. 31. princeps, *Linn.* 297.—Regius, *Chemn.* x. *f.* 1276.—Var. *f.* 33. C. lineolatus, *Valenc. Humboldt.* Panama (f. 31), St. Elena (f. 33), W. Columbia (f. 32), *Cum.*

34. 16. Calliaudi, *Kiener, pl.* 55. *f.* 6. Hab. ——?

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* "*Kien. Icon.*"—Kiener, 'Iconographie de Coquilles vivantes.'

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## CONUS.—Plate III.

| Fig. | Sp. | |
|---|---|---|
| 35, 36. | 45. | LEUCOSTICTUS, *Gmel. Syst.*—C. aurantius, *Brug.* 2. *E. M.* 317. *f.* 7. Philippines, Moluccas. |
| 37. | 24. | OBLITUS, *Reeve* (see *f.* 100). |
| 38, 39. | 15. | RECLUZIANUS, *Bernhardi, Journ. de Conch.* iv. *p.* 148. |
| 40–42. | 46. | VARIUS, *Linn. Syst.* 312. Moluccas. |
| 43, 44. | 47. | INTERRUPTUS, *Mawe, Conch.* (1828); *Wood's Index*, not *Brod. and Sowb.* (1829).—pulchellus, *Sowb. Ill.* varius. |
| 45. | 168. | BŒTICUS, *Reeve, Z. P.* 1843; *C. I.* 226. Philippines, *Cum.* |
| 46. | 17. | MOLUCCENSIS, *Chemn.* xi. *f.* 1780–1.—Stainforthii, *Reeve, C. I. pl.* 1. *f.* 1. Moluccas. |
| 47–49. | 36. | BRUNNEUS, *Mawe; Wood's Index, Test. Suppl. pl.* 3. *f.* 1. Puerto Portrero, Panama, Galapagos. |
| 50. | 22. | SUGILLATUS, *Reeve, Z. P.* 1843; *C. I.* 247. Philippines, *Cum.* |
| 51. | 71. | PONTIFICALIS, *Lamk.* 36. N. Australia, *Jukes.* |
| 52, 53. (and f. 112.) | 68. | VERMICULATUS, *Lamk.* 17. Ceylon, etc., Philippines, *Cum.* |
| 54, 55. | 60. | MINIMUS, *Linn.* 305.—coronatus, *Dilw.* Galapagos, *Cum.* Feejee Islands. |
| 56. | 67. | EBRÆUS, *Linn.* 310.—Hebræus, *Lamk.* 16. Tongatabou, Ceylon, Philippines, *Cum.* |
| 57, 58. | 61. | BARBADENSIS, *Brug. E. M.* 29; *Lamk.* 31. Barbadoes, etc. |
| 59, 60. | 35. | GLADIATOR, *Brod. Z. P.* 1833; *Sowb. C. Ill.* 34. Panama, *Cum.* |

CONUS. PL. 3

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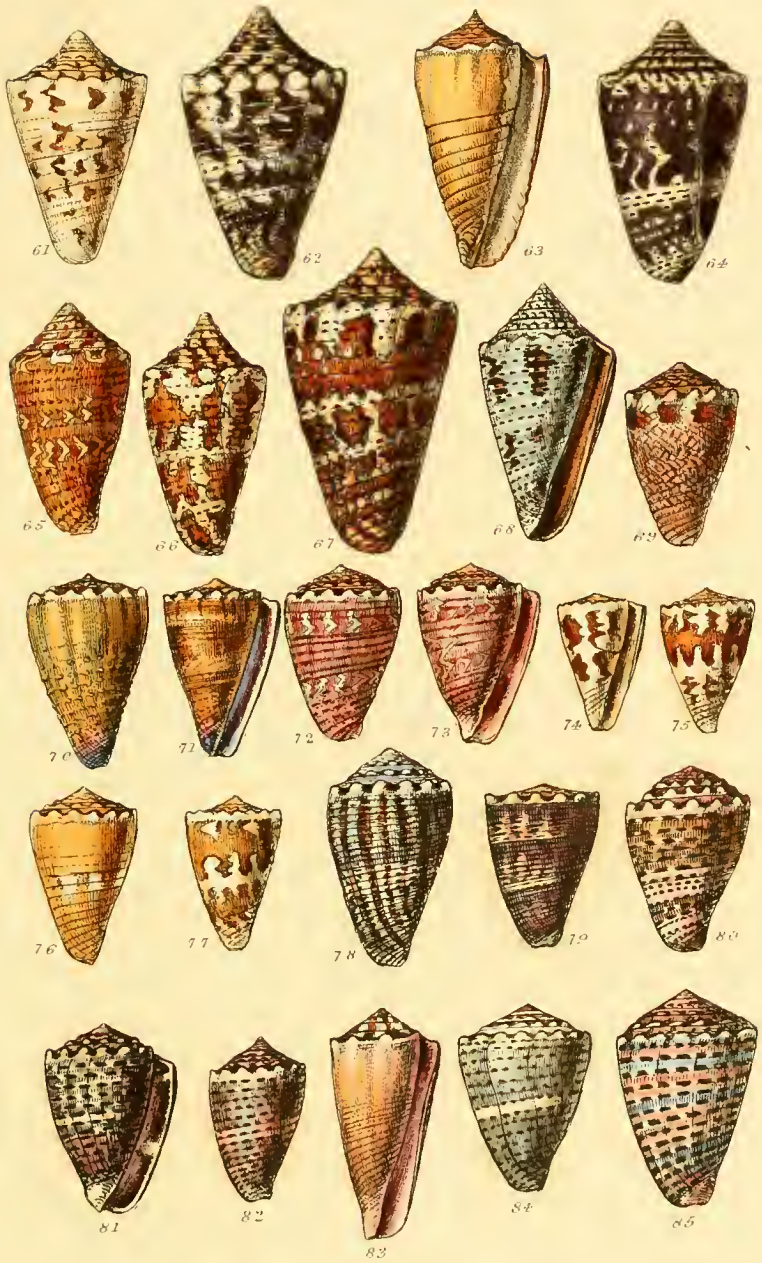
Thes. Con. Pl. 18.

## CONUS.—Plate IV.

| Fig. | Sp. | |
|---|---|---|
| 61, 62. | 44. | NEBULOSUS, *Solander; Brug. E. M.* 3.—C. solidus? *Chemn.* 1310. West Indies. |
| 63. | 294. | UNDULATUS, *Sowb. Th.* Hab. ——? |
| 64–68. | 43. | CEDO-NULLI, *Brug. E. M.* 1.—C. ammiralis, var. Cedo-nulli, *Linn. Syst.* 298 e.—Var. C. granarius, *Kien. pl.* 63. *f.* 2. West Indies. |
| 69. | 66. | FULGETRUM, *Sowb. Z. P.* 1841; *C. I. f.* 82.—C. scaber, *Kien. p.* 351. *pl.* 100. *f.* 1. Red Sea. |
| 70. | 23. | CITRINUS, *Gmel.*—C. sanguinolentus, *Quoy, Astrolabe.* Mauritius, Feejee Islands. |
| 71. | 26. | BALTEATUS, *Sowb. C. I.* 128. Island of Capul, Philippines, *Cum.* |
| 72, 73. | 65. | MILIARIS, *Brug. E. M.* 26. China, *Lamk.;* Philippines and Pacific, *Cum.* |
| 74, 75. | 41. | MACULIFERUS, *Sowb. C. I.* 23. Red Sea. |
| 76. | 38. | PRIMULA, *Reeve,* 259. Hab. ——? |
| 77. (and f. 390.) | 40. | MAGELLANICUS, *Brug.* 31.—Var. C. eidaris, *Kien. pl.* 63. *f.* 1. Straits of Magellan. |
| 78. | 57. | MUS, *Brug. E. M.* 27; *Lamk.* 29. West Indies. |
| 79. | 62. | ENCAUSTUS, *Kien. p.* 54. *pl.* 14. *f.* 2.—C. prætextus, *Reeve, Suppl. pl.* 2. *f.* 277. Marquesas. |
| 80. | 64. | TIARATUS, *Brod. Z. P.* 1833; *Sowb. C. I.* 10. Galapagos. |
| 81, 82. | 63. | ARISTOPHANES, *Duclos?* Philippine and Sandwich Islands, *Cum.* |
| 83. | 18. | UNICOLOR, *Sowb. C. I.* 20. Hab. ——? |
| 84. | 70. | ABBREVIATUS, *Nuttall, MS.; Reeve, C. I.* 86. Wahoo, Sandwich Islands. |
| 85. | 69. | TÆNIATUS, *Brug. E. M.* 24; *Lamk.* 26.—An Voluta catenulata, *Mart. pl.* 57. *f.* 632? Red Sea. |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# CONUS.—Plate V.

| Fig. | Sp. | |
|---|---|---|
| 86–88. | 81. | MINDANUS, *Brug.* 105; *E. M.* 330. *f.* 7. |
| 89. | 19. | MURICULATUS, *Sowb. Z. P.* 1841; *C. I.* 1. 1*. Island of Masbate, Philippines (on reefs), *Cum.* |
| 90. | 167. | RIVULARIS, *Reeve*, 261. Moluccas. |
| 91, 92. (and f. 203.) | 37. | PUNCTATUS, *Chemn.* x. *pl.* 139. *f.* 1294; *Lamk.* 25.—Var. C. pellis-Hyænæ, *Chemn.* xi. f. 1750, 1751. Madagascar. |
| 93. | 166. | LACHRYMOSUS, *Reeve*, 258. |
| 94, 95. | 59. | ROSEUS, *Lamk.* 32.—C. lividus, var., *Sowb.* West Indies. |
| 96. | 28. | CREPUSCULUM, *Reeve, Z. P.* 1843; *C. I.* 251. Hab. ——? |
| 97. | 100. | FLORIDULUS, *Ad. and Reeve, Voy. Sam. p.* 18. *pl.* 5. *f.* 9.* Hab. ——? |
| 98. | 13. | ALBICANS, *Sowb. Thes.* |
| 99. (and f. 111.) | 60. | MINIMUS (see *f.* 54, 55). |
| 100. | 24. | OBLITUS, *Reeve, Emend.*—C. elongatus, *Reeve, C. I.* 157. Philippines, *Cum.* |
| 101. | 39. | PIGMENTATUS, *Ad. and Reeve, Voy. Sam. pl.* 5. *f.* 11. Hab. ——? |
| 102. | 162. | VIRIDIS, *Sowb. Th.* Hab ——? From Mrs. De Burgh's collection. |
| 103. | 262. | DEALBATUS, *A. Adams, Zool. Proc.* 1853. *p.* 17. Hab. ——? |
| 104. | 58. | PUNCTURATUS, *Brug. E. M.* 35. New Holland. |
| 105, 106. | 42. | SPHACELATUS, *Sowb. C. I.* 51. Hab. ——? |
| 107. | 20. | CÆLATUS, *A. Ad. Z. P.* 1853. *p.* 117. Chinese Seas, *Cum.* |
| 108. | 27. | TABIDUS, *Reeve, Z. P.* 1843; *C. I.* 243. West Africa. |
| 109, 110. | 29. | GRANIFER, *Reeve*, 270. Philippines, *Cum.* |
| 111. | 60. | MINIMUS, var. (see *f.* 54, 55). |
| 112. | 68. | VERMICULATUS, var. (see *f.* 52, 53). |

* "*Ad. and Reeve, Voy. Sam.*"—'Mollusca of the Voyage of H.M.S. Samarang,' by Adams and Reeve.

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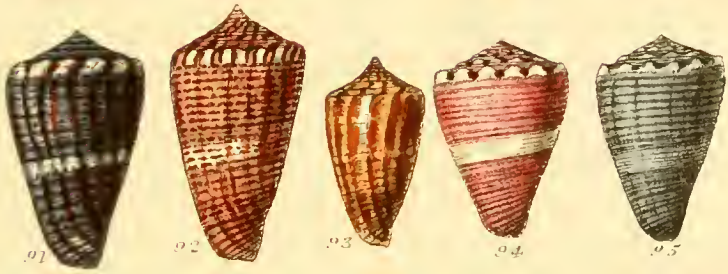

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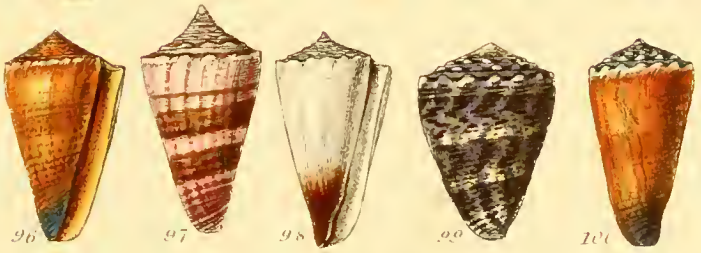

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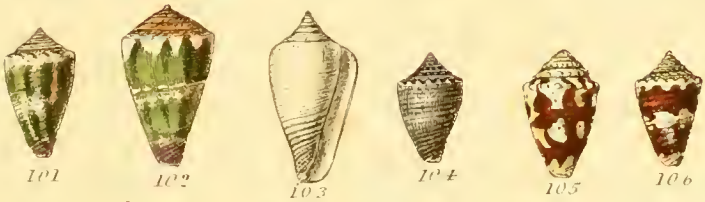

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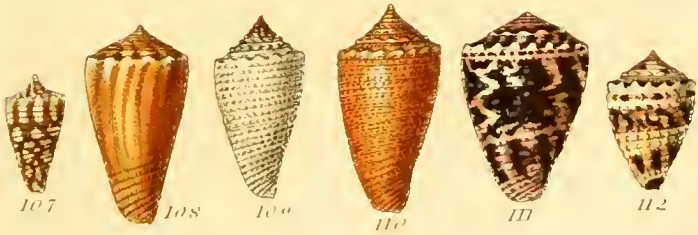

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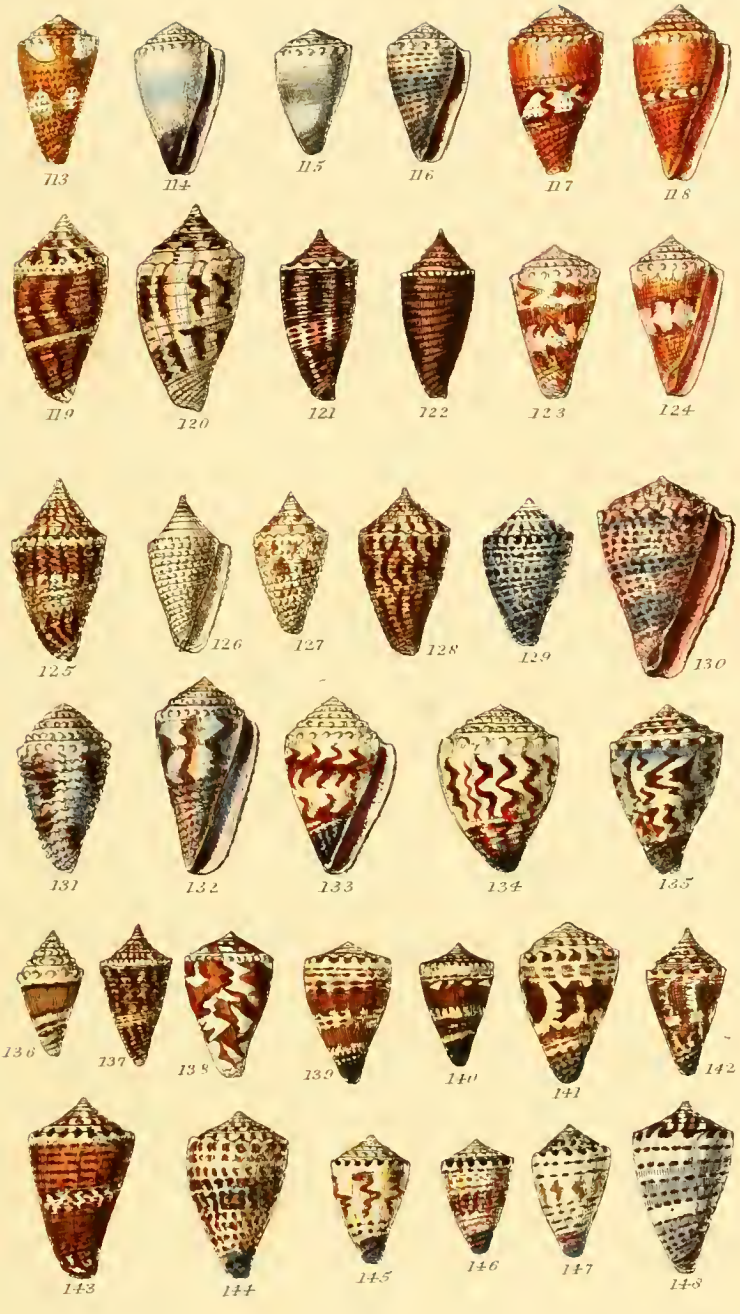
| Fig. | Sp. | |
|---|---|---|
| 113. | 49. | ALBO-MACULATUS, *Sowb. Z. P.* 1841; *C. I.* 1. Island of Masbate, Philippines, *Cum.* |
| 114–116. | 78. | NANUS, *Brod. Z. P.* 1843. Lord Hood's Island. Var., Sandwich Islands, *Cum.* |
| 117. | 52. | CARDINALIS, *Brug.* 30. West Indies. |
| 119. | 171. | METCALFEI, *Reeve, Zool. Proc.* 1843; *C. I.* 192. |
| 120. | 165. | CERINUS, *Reeve, C. I.* 283. Mindanao, *Cum.* |
| 121. | 95. | PULCHER, *A. Ad. Z. P.* 1853. New Caledonia. |
| 122. | 96. | SULCIFERUS, *A. Ad. Z. P.* 1853. New Ireland. |
| 123, 124. | 50. | SPECIOSISSIMUS, *Reeve.* Curaçoa. |
| 125–127. | 80. | VERRUCOSUS, *Brug. E. M.* 100.—Var. C. echinulatus, *Kien. pl.* 105. *f.* 2. Senegal, Mozambique. |
| 128–130. (and f. 391, 392.) | 79. | PUNCTICULATUS, *Brug.* 92 (see *f.* 391, 392). |
| 131, 132. | 48. | PLUMBEUS, *Reeve, Z. P.* 1843; *C. I.* 253.—Var. (*f.* 131) C. liratus, *Reeve, Z. P.* 1843; *C. I.* 268. South Africa. |
| 133, 134. | 74. | SPONSALIS, *Chemn.* xi. *f.* 1788–9. Pacific Ocean, Philippines, *Cum.* |
| 135. | 73. | NUX, *Brod. Z. P.* 1833; *Sowb. C. I. f.* 31. Galapagos, *Cum.* |
| 136. | 72. | CORONATUS, *Reeve,* 263. Island of Ticao, Philippines, *Cum.* |
| 137. | 87. | STICTICUS, *A. Adams, Zool. Proc.* 1853. *p.* 117. |
| 138. | 51. | SPECIOSUS, *Sowb. Th.* Hab. ——? |
| 139–141. | 75. | CEYLANENSIS, *Brug.* 35 *bis; Lamk.* 40. Ceylon and Philippines, *Cum.* |
| 142. | 119. | ACUTUS, *Sowb. Th.* Ceylon. |
| 143. | 33. | RUPELLII, *Reeve,* 273. Red Sea, *Dr. Rüppell.* |
| 144. | 76. | PUSILLUS, *Chem.* xi. *f.* 1788–9. Seychelles, *Cloué.* |
| 145–148. | 77. | MUSICUS, *Brug. E. M.* 25, var., *f.* 146.—C. Mighaelsi, *Kien.* Philippines, *Cum.* |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## CONUS.—Plate VII.

| Fig. | Sp. | |
|---|---|---|
| 149, 150. (and f. 207.) | 228. | LÆVIGATUS, *Sowb. Th.* Mauritius. |
| 151. | 192. | MILLEPUNCTATUS, *Lamk.* 45. Pacific Ocean, at Anuaa and Tahiti (on reefs), and Philippines, *Cum.* |
| 152, 153. | 227. | NEMOCANUS, *Brug. E. M.* 106.—Var. C. Badius, *Kien. pl.* 33. *f.* 3? Philippines, *Cum.*; Mauritius, *Capt. Smith.* |
| 154. | 221. | AUGUR, *Brug.* 74.—C. punctatus, *Gmel.?* Ceylon. |
| 155, 156. | 193. | LITTERATUS, *Linn.* 292.—Including C. Gruneri, *Reeve, Z. P.* 1843. Ceylon, Philippines, Moluccas. |
| 157. | 222. | MILES, *Linn.* 296. Ceylon, Philippines, *Cum.* |
| 158, 159. | 223. | SUMATRENSIS, *Lamk.* 66.—C. leopardus, *Dillw.* Red Sea, *Rüppell*; Sumatra. |
| 160. | 224. | MUSTELLINUS, *Brug.* 53; *Lamk.* 64. Island of Bohol, Ticao, etc., Philippines, *Cum.* |
| 161, 162. | 229. | RATTUS, *Brug.* 89.—C. "capitaneus punctatus," *Chemn.*—C. Chemnitzii, *Dillw.* Pacific. Dark var., Marquesas. |
| 163. | 225. | VEXILLUM, *Martini, pl.* 57. *f.* 629. Moluccas, Philippines, and Society Islands, *Cum.* |

CONUS PL. 7.

## CONUS.—Plate VIII.

| Fig. | Sp. | |
|---|---|---|
| 164–166. (and f. 276.) | 129. | THALASSIARCHUS, *Gray, MS.; Reeve,* 8. Luzon, Philippines, *Cum.* |
| 167. | 190. | VIRGO, *Linn.* 294. Ceylon and Philippines, *Cum.* |
| 168. | 189. | FLAVIDUS, *Lamk.* 57. Pacific and Philippines, *Cum.;* Tahiti, on reefs, *Cum.* |
| 169–171. | 121. | AMADIS, *Mart. Con. Cab. pl.* 58. *f.* 642, 643.—Var. (*f.* 171) C. Neptunei, *Kiener, not Reeve.* Ceylon. |
| 172. | 214. | MARCHIONATUS, *Hinds, Ann. and Mag. of Nat. Hist.* 1843. Marquesas, *Hinds.* |
| 173, 174. | 142. | COFFEA, *Gmel.; Dillw.*—C. fumigatus, *Brug. E. M.* 94. West Indies. |
| 175–177. | 226. | CAPITANEUS, *Linn.* 295.—Var. (*f.* 177) C. citrinus, *Kien. pl.* 78. *f.* 4. — C. sulphureus, *Kien. pl.* 66. *f.* 3. Moluccas, Philippines, *Cum.* |
| 178. | 131. | MONILE, *Brug. E. M.* 45; *Lamk.* 43. Ceylon, Philippines, *Cum.* |
| 179–181. | 132. | GENERALIS, *Linn. Syst. Test.* 293. Ceylon, Philippines, *Cum.* |
| 182–184. | 130. | MALDIVUS, *Brug. E. M.* 42; *Lamk.* 50. Ceylon. |

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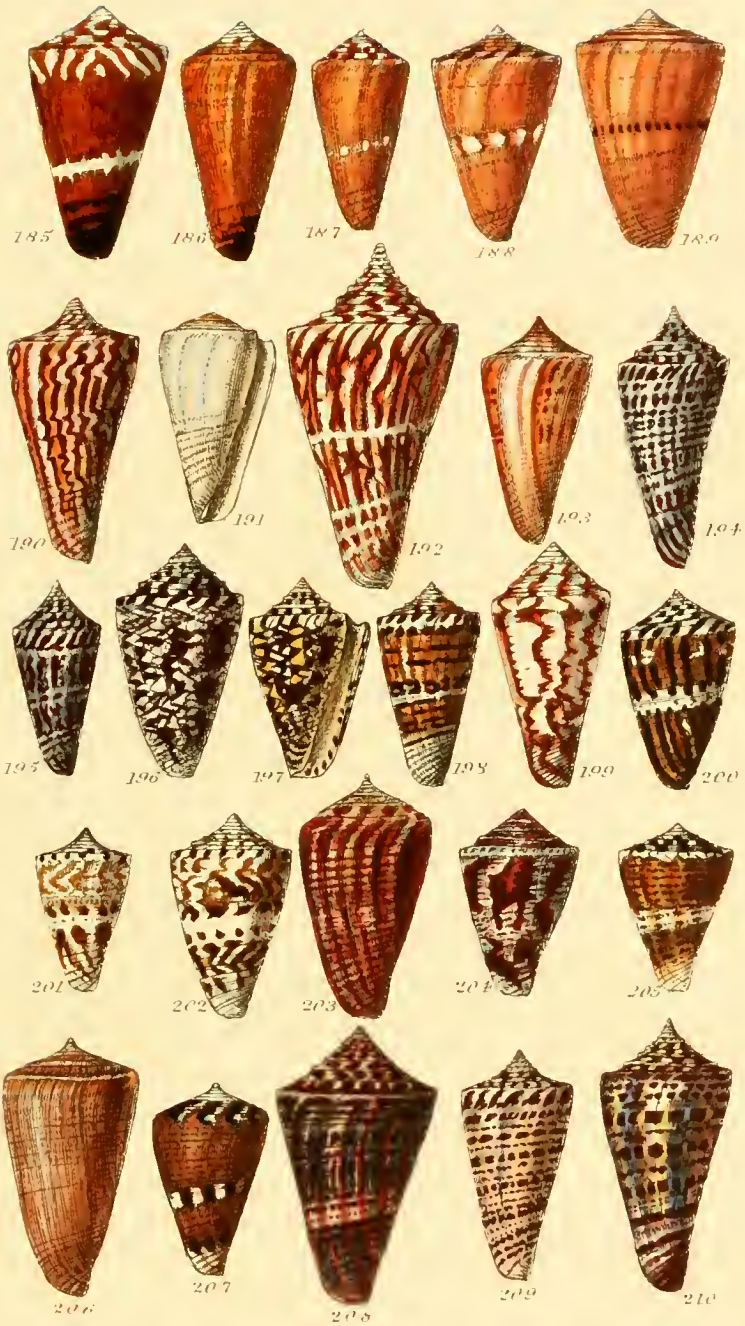
## CONUS.—Plate IX.

| Fig. | Sp. | |
|---|---|---|
| 185–187. | 185. | ERMINEUS, *Born, Ind. Mus. Cæs.* Ticao, Philippines, *Cum.*; Ceylon, etc. |
| 188, 189. (and f. 330.) | 143. | DAUCUS, *Brug.* 51.—C. Arausiensis, *Chemn.* x. *pl.* 144. *f.* L. I.? West Indies. |
| 190. (and f. 193.) | 133. | VIRGATUS, *Reeve, f.* 152.—Zebra, *Sowb.* not *Lamk.* —Var. C. Lorenzianus, *Reeve,* 52, not *Chemn.* —Var. C. Cumingii (f. 193). Salango, West Columbia, *Cum.* |
| 191. | 183. | HEPATICUS, *Kien. pl.* 97. *f.* 3. Hab. ——? |
| 192. | 106. | SCALARIS, *Valene, Humboldt et Bonpland's Voy.* C. gradatus, *Reeve,* 140. Salango, West Columbia, *Cum.* |
| 193. | 133. | VIRGATUS, var. (see *f.* 190). |
| 194. | 127. | INCURVUS, *Brod. Z. P.* 1843; *Sowb. C. I.* 36. Monte Christo, West Columbia, *Cum.* |
| 195. | 126. | DISPAR, *Sowb. C. I. f.* 57. Hab. ——? |
| 196, 197. | 122. | ACUMINATUS, *Brug.* 77.—Var. C. insignis, *C. I.* —Var. C. textilinus, *Kien.* 103. *f.* 5. Red Sea, *Rüpell.* |
| 198. | 134. | LUCTIFICUS, *Reeve,* 280. Hab. ——? |
| 199. | 269. | SIMPLEX, *Sowb. Th.*—C. informis, *Reeve,* not *Brug. E. M.* 88. E. Indies. |
| 200. | 145. | ORION, *Brod. Z. P.* 1833. Real Llejos, *Cum.* |
| 201. | 136. | EXIMEUS, *Reeve,* 256. Moluccas. |
| 202. | 135. | FULGURANS, *Brug.* 76; *Lamk.* 96; *Reeve,* 271. Hab. ——? |
| 203. | 37. | PUNCTATUS (see *f.* 91, 92). |
| 204. | 234. | PURPURASCENS (see *f.* 346). |
| 205. | 230. | TRIGONUS, *Reeve,* 286. Hab. ——? |
| 206. | 367. | CONCOLOR, *Sowb. Z. P.* 1841; *C. I. f.* 59. India. |
| 207. | 207. | LÆVIGATUS, var. (see *f.* 149, 50). |
| 208–210. | 128. | REGULARIS, *Sowb. C. I.* 45. Bay of Nicoya, Central America, etc., Bay of Panama, *Cum.* |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## CONUS.—Plate X.

| Fig. | Sp. | |
|---|---|---|
| 211. | 139. | SPLENDIDULUS, *Sowb. C. I.* 53. Indian Ocean. |
| 212. (and f. —?) | 217. | LORENZIANUS, *Chemn.* xi. *pl.* 181. *f.* 1754, 5.—C. flammeus, *Lamk.* 76. West Columbia. |
| 213. | 140. | CLASSIARIUS, *Brug. E. M.* 96. *pl.* 335. *f.* 7.—C. Blainvillei, *Kien. pl.* 111. *f.* 1. Red Sea. |
| 214. (and f. 258.) | 191. | EMACIATUS, *Reeve,* 248. Philippines, *Cum.* |
| 215. | 178. | ÆGROTUS, *Reeve,* 250. Philippines. |
| 216. | 232. | MUTABILIS, *Chemn.* xi. *f.* 1758, 9. Bombay. |
| 217. | 249. | PAUPERCULUS, *Sowb. C. I.* 78. Cape of Good Hope. |
| 218, 219. | 315. | LINEATUS, *Chemn. pl.* 138. *f.* 1285.—Var. *f.* 219. C. lacinulatus, *Kien. pl.* 108. *f.* 2. Ceylon and Philippines. |
| 220. | 312. | PULCHELLUS, *Swains. Zool. Illus.* 1*st ser. pl.* 65. Philippines. |
| 221, 222. | 309. | SENATOR, *Linn.* 300.—C. ferrugineus, *Brug.*—C. Reevii, *Kien. pl.* 44. *f.* 2. New Guinea and Philippines. |
| 223, 224. | 311. | VITULINUS, *Brug. E. M.* 47. *pl.* 326. *f.* 3. Asiatic Seas, Philippines, *Cum.* |
| 225, 226. | 137. | AMMIRALIS, *Linn.* 298, including var. C. vicarius, *Kien.*, as of *Lamk.*, excluding the coronated and granulated varieties (*archithalassus*). Society Islands, Moluccas, Philippines, *Cum.* |
| 227. | 207. | TURBINATUS, *Sowb. Th.* Hab. ——? Specimen received by Mr. Cuming from M. Verreaux. |
| 228, 229. | 206. | INCARNATUS, *Reeve, Z. P.* 1843; *C. I.* 221. Malacca, *Cum.* |
| 230. | 314. | CONNECTENS, *A. ad Z. P.* 1843. Philippines, *Cum.* |
| 231. | 313. | CINCTUS, *Swains. Zool. Ill.* 2*nd ser. pl.* 110. Philippines. |

CONUS PL. 10

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Thes Pl 196

## CONUS.—Plate XI.

Fig. Sp.

232. 218. LEONINUS, *Brug.* 73; *Lamk.* 92. Mexico and West India.

233. 215. PAPILIONACEUS, *Brug. E. M.*; *Lamk.* 60.—C. pseudo-thomæ, *Chemn.* Mouth of the Gambia, Africa, *Lieut. Shaw.*

234. 215 *a.* BICOLOR, *Sowb. Z. P.* 1841; *C. I.* 18.—C. paulina, *Kien. pl.* 108. *f.* 3. West Africa.

235, 236. (and f. 241.) 220. SPURIUS, *Gmel.*—C. proteus, *Brug. E. M.* 72. *f.* 334. *f.* 1.—C. grandis, *Sowb. Genera of Shells.* St. Thomas, W. Indies.

237. 195. GLAUCUS, *Linn.* 303. Moluccas, Philippines, etc., *Cum.*

238. (and f. 354.) 199. PYRIFORMIS, *Reeve*, 70. Carraeas and Montija, W. Columbia, *Cum.*

239, 240. 200. QUERCINUS, *Brug. E. M.* 71.—C. eingulum, *Martyn?*—Var. C. ponderosus, *Beck.* Ceylon.

241. 220. SPURIUS (see *f.* 235).

242. 197. FIGULINUS, *Brug. E. M.* 70. *pl.* 332. *f.* 1. Ceylon and Philippines.

243. 198. LOROISII, *Kien. pl.* 65. *f.* 1. India, Ceylon, and Philippines.

244. 194. BETULINUS, *Linn.* 308. Ceylon.

245. 320. PROMETHEUS, *Brug.* 61; *Lamk.* 73. W. Africa.

246. 196. SURATENSIS, *Reeve, Z. P.* 1843; *C. I.* 250. Philippines, *Cum.*

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## CONUS.—Plate XII.

| Fig. | Sp. | |
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| 247–249. | 201. | EBURNEUS, *Brug.* 39; *Lamk.* 47. Ceylon, Society Islands, Philippines, *Cum., etc.* |
| 250, 251. | 202. | TESSELLATUS, *Born. Mus. Ind. Cæs. p.* 131. Ceylon, Mauritius, and Philippines, *Cum.* |
| 252. | 120. | ARCHON, *Brod. Z. P.* 1833. Central America, *Cum.* |
| 253. | 212. | GENUANUS, *Linn.* 302. Molucecas, Senegal, *Lamk.*; Sierra Leone, *Belcher.* |
| 254, 255. | 203. | CRASSUS, *Sowb. Th.* Feejee Islands, *M'Gillivray.* |
| 256. | 205. | SUTURATUS, *Reeve, Z. P.* 1843; *C. I.* 250. N. Australia. |
| 257. | 271. | SUCCINCTUS, *A. Adams,* 1853. *p.* 118. Natal, *Cum.* |
| 258. | 191. | EMACIATUS (see *f.* 214). Sandwich Islands. |
| 259. | 152. | AMBIGUUS, *Reeve, Z. P.* 1843; *C. I.* 244.—C. griseus, *Kien. pl.* 63. *f.* 2. West Africa. |
| 260. | 153. | TROCHULUS, *Reeve, Z. P.* 1843; *C. I.* 246. Cape de Verde Islands. |
| 261–264. | 146. | VENULATUS, *Brug.* 84; *Lamk.* 103.—Var. (264) C. nivosus, *Lamk.*—Var. (262) C. ateralbus, *Kien.* 108. *f.* 4. Cape de Verde Islands. |
| 265. (and f. 397.) | 149. | NIVIFER, *Brod. Z. P.* 1833. Cape de Verde Islands. |
| 266–268. (and f. 313.) | 179. | FURVUS, *Reeve, Z. P.* 1843; *C. I.* 69.—Var. (266, 313).—C. Buxeus, *Reeve, Z. P.* 1843; *C. I.* 265.—C. Cecilii, *Kiener, pl.* 98. *f.* 4. Ticao and Masbate, Philippines, *Cum.* |
| 269, 270. | 177. | LIGNARIUS, *Reeve, Z. P.* 1843; *C. I.* 136. Philippines, *Cum.* |
| 271. | 150. | CROTCHII, *Reeve,* 254. Saldanha Bay, S. Africa. |

CONUS PL. 12.

Thes. Pl 198

Georg. E. Sowerby

Fig. Sp.

272. 187. FESTIVUS, *Chemn. Con.* xi. *f.* 1770–1.—C. amabilis, *Lamk.* 137. Island of Capul, Philippines, *Cum.*

273. 188. PERTUSUS, *Lamk.* 94. Island of Annaa, Pacific, and Philippines, *Cum.*

274. 144. VITTATUS, *Lamk.* 63. Montija Bay and Panama Bay, *Cum.* (and f. 410.)

275. 238. GRAYI, *Reeve, Z. P.* 1843; *C. I.* 258. West Africa.

276. 129. THALASSIARCHUS, var. (see *f.* 164, 165, 166).

277–280. 333. CATUS, *Brug. E. M.* 99. *pl.* 332. *f.* 7.—Var. alba, C. discrepans, *Sowb. C. I.* 28. Tahiti, *Cum.* Mauritius, *Lamk.*

281. 163. CUMINGII, *Reeve, Sup. pl.* 9. *f.* 282. Island of Mindanao, *Cum.* (and f. 415.)

282. 328. SUPERSTRIATUS, *Sowb. Th.* Hab. ——?

283, 284. 181. MAHOGANI, *Reeve, Z. P.* 1843; *C. I.* 126. Salango, W. Columbia, *Cum.*

285. 180. XIMINES, *Gray, Beech. Voy. pl.* 33. *f.* 2.—C. interruptus (preoccupied), *Brod. Z. Journ.* iv. *p.* 379. Mazatlan, West Columbia, *Cum.* (and f. 402.)

286–289. 331. ADANSONI, *Lamk.* 133. Red Sea.

290, 291. 280. PICA, *Ad. and Reeve, Moll. Voy. Samarang, p.* 18. *pl.* 5. *f.* 10.—C. spectrum-Sumatræ, *Chemn.?*

292, 293. 267. NATALIS, *Sowb. Th.* Cape Natal.

294, 295. 253. MERCATOR, *Linn.* 307.—C. reticulatus, *Martin, pl.* 56. *f.* 619, 620. West Indies.

296. 264. MACULATUS, *Sowb. Z. P.* 1841; *C. I.* 3. 3*. Capul, Philippines, *Cum.*

297. 265. JUKESII, *Reeve,* 278. N. Australia, *Jukes.*

298, 299. 266. NOVÆ-HOLLANDIÆ, *A. Ad. Z. P.* 1853. *p.* 119. New Holland.

CONUS 13.

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| Fig. | Sp. | |
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| 300, 301. | 241. | Taslei, *Kien. pl.* 110. *f.* 3.—C. luridus, *A. Ad. Z. P.* 1853. Hab. ——? |
| 302. | 186. | bifasciatus, *Sowb. Th.*—C. fasciatus, *A. Ad. Z. P.* 1853 (name preoccupied). Hab. ——? |
| 303. | 154. | frigidus, *Reeve*, 284. Hab. ——? |
| 304. | 155. | cyanostoma, *A. Ad. Z. P.* 1853. *p.* 116. West Africa. |
| 305. | 161. | flavescens, *Gray?*; *Sowb. C. I. f.* 68. South Australia. |
| 306. | 176. | desidiosus, *A. Ad. Z. P.* 1853. *p.* 119. West Africa. |
| 307. | 169. | exaratus, *Reeve, Z. P.* 1843; *Conch. Ic.* 238. |
| 308. | 250. | fucatus, *Reeve*, 271. Philippines, *Cum.* |
| 309. | 269. | simplex, *Sowb. Th.*, var. (see *f.* 199). |
| 310, 311. | 156. | columba, *Brug. E. M.* 101. *pl.* 334. *f.* 3. West Indies. |
| 312. | 182. | gilvus, *Reeve*, 255. Saldanha Bay, W. Africa. |
| 313. | 179. | furvus, var. (see *f.* 266, 267, 268). |
| 314. | 14. | tenuis, *Sowb. Th.* |
| 315. | 246. | Franciscanus, *Brug. E. M.* 109. *pl.* 337. *f.* 5. Mediterranean. |
| 316. | 158. | Erythræensis, *Beck. MS.*; *Reeve, C. I.* 137. Red Sea. |
| 317. | 401. | atramentosus, *Reeve, Suppl. pl.* 7. *sp.* 265. Mindoro, *Cum.* |
| 318, 319. | 402. | hieroglyphicus, *Duclos, Mag. de Zool.* 1833. *pl.* 23. West Indies. |
| 320. | 254. | lugubris, *Reeve*, 279.—C. variegatus, *Kiener? pl.* 106. *f.* 1. Hab. ——? |
| 321. | 173. | crebrisulcatus, *Sowb. Th.* Hab. ——? |
| 322. | 174. | Traillii, *A. Ad.* — *?*; *Sowb. Th.* Malacca, *Dr. Trail.* |
| 323. | 32. | rutilus, *Menke, Moll. N. Holl.* Swan River. |
| 324. | 157. | perplexus, *Sowb. Th.* Gulf of California, West Columbia, *Cum.* |
| 325, 326. | 159. | pusio, *Lamk.* (see *f.* 398). |
| 327, 328. | 340. | ustulatus, *Reeve* (see *f.* 510). |
| 329. | 170. | strigatus, *Brug. E. M.* 129; *Reeve, f.* 248. |
| 330. | 143. | Daucus, var. (see *f.* 188, 189). |
| 331. | 286. | scalptus, *Reeve, Z. P.* 1843; *Conch. Icon.* 202. |
| 332. | 261. | Californicus, *Hinds, Z. P.* 1844. California. |
| 333, 334. | 147. | Dillwynii, *Reeve, Emend.*—C. piperatus, *Reeve, C. I.* 230 (name preoccupied). Red Sea. |

CONUS 14

Thes Pl 200

| Fig. | Sp. | |
|---|---|---|
| 335, 336. (and f. 343.) | 334. | ACHATINUS, *Chemn.* x. *pl.* 142. *f.* 1317.—Var. granulata.—C. ranuneulus, *Brug.* 65.—Var. (*f.* 343) C. vinctus, *A. Ad.* Philippines, *Cum.* |
| 337, 338. | 213. | CHARACTERISTICUS, *Chemn.* xi. *pl.* 182. *f.* 1760–1. —C. questor *and* C. muscosus, *Lamk.* West Indies. |
| 339–341. | 263. | ANEMONE, *Lamk.* 78. South Australia. |
| 342. | 332. | NIGRO-PUNCTATUS, *Sowb. Th.* Hab. ——? |
| 343. | 334. | ACHATINUS, var. (see *f.* 335, 336). |
| 344. | 236. | LUZONICUS, *Brug. E. M.* 98; *Lamk.* 118; *Sowb. C. I.* 91.—C. regalitatis, var., *Reeve.* Panama, *Cum.* |
| 345. | 235. | REGALITATIS, *Sowb. Z. P.* 1834; *Conch. Ic. f.* 87. Real Llejos and Panama, Central America, *Cum.* |
| 346. (and f. 204.) | 234. | PURPURASCENS, *Brod. Z. P.* 1833; *Sowb. C. I. f.* 13.—Var. C. comptus, *Gould.* Panama, *Cum.*; St. Blas, Mexico, *Hinds.* |
| 347. | 330. | STERCUS-MUSCARUM, *Linn.* 311. Ceylon, Amboyna, Philippines, *Cum.* |
| 348–350. | 233. | TESTUDINARIUS, *Martini, pl.* 55. *f.* 605.—Var. (*f.* 350) C. inquinatus, *Reeve, Suppl. f.* 251? —Var. (*f.* 348) C. aspersus, *Sowb. C. I. f.* 16. Cape de Verde Islands. |
| 351. | 344. | FULMEN, *Reeve*, 215.—modestus, *Sowb. C. I.* 19? Island of Capul, Philippines, *Cum.* |
| 352. | 216. | SIAMENSIS, *Brug. E. M.* 72; *Lamk.* 72. West Coast of Africa. |
| 353. | 184. | PASTINACEA, *Lamk.* 60. Hab. ——? |
| 354. | 199. | PYRIFORMIS (see *f.* 238). |

Thes. Pl. 201

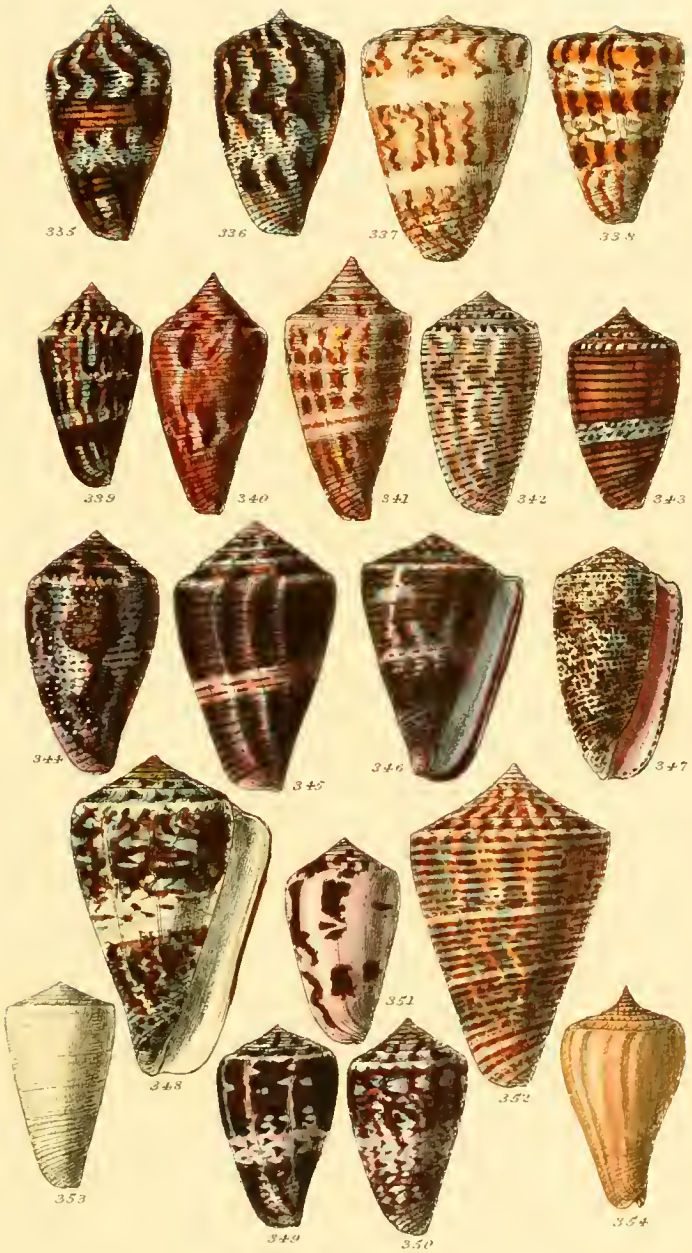
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Fig. Sp.

355. 85. PATRICIUS, *Hinds, Ann. and Mag. of Nat. Hist.* 1843. Gulf of Nicoya, *Hinds.*

356. 82. ACUTANGULUS, *Chemn.* xi. *f.* 1772–3. Mindanao, Philippines, *Cum.*

357. 93. VIMINEUS, *Reeve, C. I. Suppl. f.* 269. Island of Mindanao, *Cum.*

358. 118. PEALII, *Green, Alb. Instit.*—Var. C. candidus, *Kiener.* Florida.

359. 81. CRENULATUS. *Kien. pl.* 109. *f.* 1. Hab. ——?

360. 125. MINUTUS, *Reeve, Z. P.* 1843; *C. I.* 259. St. Vincent's, West Indies, *Cum.*

361. 117. SELECTUS, *A. Ad.* — *?*; *Sowb. Th.* Hab. ——?

362. 124. SPICULUM, *Reeve,* 266. Mindanao, Philippines.

363. 92. INSCULPTUS, *Kien. pl.* 99. *f.* 2. Mindanao, *Cum.*

364. 116. OPTABILIS, *A. Ad. Z. P.* 1853. *p.* 116.

365. 104. DELESSERTIANUS, *Recluz, Mag. de Zool.* 1843.

366. 105. MALACCANUS, *Brug. E. M.* 43 (1792).—canaliculatus, *Chemn.* xi. (1795). Malacca.

367. 103. CENTURIO, *Born, Mus. Ind. Cæs. pl.* 7. *f.* 10.—C. tribunus, *Gmel.* West Indies.

368. 90. ORBIGNYI, *Ardouin, Mag. de Zool. Moll.* 1838.

369. 98. SIEBOLDII, *Reeve,* 269. Japan, *Siebold.*

370. 91. ACULEIFORMIS, *Reeve, Z. P.* 1843.—subulatus, *Kien.* Cagayan, Mindanao, *Cum.*

371. 89. PRÆCELLENS, *A. Ad.* 1853. China Seas.

372, 373. 83. CANCELLATUS, *Brug. E. M.* 107.—C. pagodus, *Chemn.* Tahiti.

374. 108. CLERII, *Reeve, Z. P.* 1843; *Conch. Ic.* 229. St. Thomas, Brazils.

375. 123. TORNATUS, *Brod. Z. P.* 1833; *Sowb. C. I. f.* 25. Xipixapi, Central America, *Cum.*

376. 110. JAPONICUS, *Brug. E. M.* 104.—C. Largillierti, *Kien.* 98. *f.* 3. Japan.

377. 97. PAPILLARIS, *Reeve, Suppl.* 242. Hab. ——?

378. 99. VOLUMINALIS, *Hinds, Z. P.* 1844. Malacca.

379. 88. SOWERBYI, *Reeve, Emend.*—C. Sinensis, *Sowb. C. I. f.* 56. Feejee Islands, *Hinds.*

380–382. 109. MONILIFER, *Brod. Z. P.* 1833. Salango, South America, *Cum.*

383. 107. UNDATUS, *Kien. pl.* 94. *f.* 1.

384. 84. ARCUATUS, *Brod. and Sowb. Z. P.* iv. *p.* 379. Mazatlan, Pacific.

385. 102. CINGULATUS. *Lamk.* 84.—Var. castaneus, *Kien.* Indian Ocean.

386. 114. LENTIGINOSUS, *Reeve, Z. P.* 1843; *C. I.* 245.

387. 115. EMARGINATUS, *Reeve, Z. P.* 1843; *C. I.* 232. Pacific Ocean.

388. 113. ANGULATUS, *A. Adams, Zool. Proc.* 1853. *p.* 118.

389. 101. BORNEENSIS, *Adams and Reeve, Voy. Samarang, pl.* 5. *f.* 8. Borneo.

# CONUS 16.

Thes Pl 202

# CONUS.—Plate XVII.

| Fig. | Sp. | |
|---|---|---|
| 390. (and f. 77.) | 40. | MAGELLANICUS, var. C. cidaris, *Kien.* |
| 391, 392. (and f. 128–30.) | 79. | PUNCTICULATUS, *Brug. E. M.* 92.—Var. *f.* 130. C. papillosus, *Kien. pl.* 72. *f.* 4.—Var. *f.* 392. C. pustulosus, *Kien. pl.* 101. *f.* 2.—C. Mauritianus, *Lamk.?* Salango, W. Elena, W. Columbia, *Cum.* |
| 393, 394. (and f. 358.) | 80. | PEALII, *Green, Alb. Inst.* 393. Mr. Hanley's specimen. Florida. |
| 395. | 141. | AUREOLUS, *Sowb. Th.* Hab. —— ? |
| 396. | 148. | INDURATUS, *Reeve,* 268. Red Sea. |
| 397. (and f. 265.) | 149. | NIVIFER, *Brod. Z. P.* 1833.. Cape de Verde Islands. |
| 398. (and f. 325, 326.) | 159. | PUSIO, *Brug. E. M.* 103; *Lamk.* 124.—C. pygmæus, *Reeve, Z. P.* 1843; *C. I.* 226. West Indies. |
| 399, 400. | 160. | HANLEYI, *Sowb. Th.* 399. Cuming's specimen, 400. Mr. Hanley's. Mediterranean. |
| 401. | 172. | NITIDUS, *Reeve, Z. P.* 1843; *C. I.* 266. Philippines. |
| 402. | 180. | XIMENES, dwarf var. (see *f.* 285). Mr. Hanley's. |
| 403. | 204. | ADUSTUS, *Sowb. Th.* Red Sea. |
| 404. | 208. | NEGLECTUS, *A. Ad. Z. P.* 1853. *p.* 117. Hab. —— ? |
| 405. | 209. | CASTUS, *Reeve, Z. P.* 1843; *C. I.* 267. Red Sea. |
| 406. | 210. | INÆQUALIS, *Reeve, C. I.* 270. Hab. —— ? |
| 407. | 211. | MADURENSIS, *Brug.* 102; *Lamk.* 126. Hab. —— ? |
| 408. | 11. | PEPLUM, *Chemn.* (see *f.* 13). Moluccas. |
| 409. | 143. | SANGUINOLENTUS, *Reeve,* 274. Hab. —— ? |
| 410. | 144. | VITTATUS, *Lamk.*—Var. from Miss Saul's cabinet (see *f.* 274). Panama, *Cum.* |
| 411. | 111. | LEMNISCATUS, *Reeve,* 246 (copied). Hab. —— ? |
| 412. | 112. | PHILIPPI, *Kien. pl.* 98. *f.* 2 (copied). Mexico. |
| 413. | 138. | CALEDONICUS, *Brug. E. M.* 33 (copied). New Caledonia. |
| 414. | 151. | SINDON, *Reeve,* 233 (copied); *Adamson's Cab.* West Africa. |
| 415. | 163. | CUMINGII, *Reeve* (see *f.* 281). Moluccas. |
| 416. | 164. | CORALLINUS, *Kien. pl.* 73. *f.* 2 (copied). Hab. —— ? |
| 417. | 174. | COCCEUS, *Reeve,* 228. Miss Saul's specimen. Philippines. |

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## CONUS.—Plate XVIII.

Fig. Sp.

418, 419. 242. IRREGULARIS, *Sowb. Th.* West Africa.

420. 245. UNIFASCIATUS, *Kien. pl.* 110. *f.* 4. Hab. —— ?

421. 251. ALGOENSIS, *Sowb. Z. P.* 1834; *C. I. f.* 66. Algoa Bay.

422. 250. FUCATUS, *Reeve.*—Var.? (see *f.* 308).

423. 252. ATTENUATUS, *Reeve*, 363. Philippines, *Cum.*

424. 253 *a*. BALTEUS, *Mawe; Wood's Cat.*—C. cuneolus, *Reeve.*

425. 123. TORNATUS, var. Mrs. De Burgh's specimen (see *f.* 375). West Columbia.

426. 257. DUPONTII, *Kien. pl.* 61. *f.* 2. Hab. —— ?

427. 255. BULBUS, *Reeve*, 169. Miss Saul's collection. West Africa, *Hankey.*

428, 429. 253. MERCATOR, var. (see *f.* 294–5). West Africa.

430. 217. LORENZIANUS, *Chemn.* Miss Saul's collection (see *f.* 212). Venezuela.

431. 231. HYÆNA, *Brug. E. M.; Lamk.*—Afterwards, C. pellis-hyænæ, *Chemn.* ii. Coast of Malabar.

432. 219. OCHRACEUS, *Lamk.* 87. Mrs. De Burgh's collection. West Indies.

433. 237. PORTO-RICANUS, *Brug. E. M.* 110; *Lamk.* 135. Porto-rico.

434, 435. 239. GUINIACUS, *Brug. E. M.* 86; *Lamk.* 108. Guinea.

436. 240. NARCISSUS, *Lamk.* 106. West Indies.

437, 438. 243. MEDITERRANEUS, *Brug. E. M.* 91.—Var. C. hybridus, *Kien.* 83. *f.* 1.—Var. C. ignobilis, *Oliv.*—C. ventricosus, *Gmel.* Mediterranean.

439. 244. JAMAICENSIS, *Brug.* 90. West coast of Africa.

440, 441. 247. ELONGATUS, *Chemn.* x. *t.* 144 *a. f. J. K.*—C. Mozambicus, *Brug. E. M.* 85.—C. informis (part.), *Brug.* 88. *E. M.* 337. *f.* 8. East coast of Africa.

442. 248. CÆRULESCENS, *Chemn.* xi. *f.* 1762.—C. æmulus, *Reeve, Z. P.* 1843; *C. I.* 256. West Africa.

443. 256. ZEBROIDES, *Kien. pl.* 105. *f.* 5. Hab. —— ?

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## CONUS.—Plate XIX.

| Fig. | Sp. | |
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| 444, 445. (and var. 309?) | 268. | PICTUS, *Reeve*, 98. var. *f.* 444.—C. Jaspideus, *Kien. pl.* 55. *f.* 4; *Reeve*, 281.—Var. C. sictulus, *Reeve*, 283. East Africa. |
| 446, 447. | 271. | CAFFER, *Krauss, Südaf. Moll. pl.* 6. *f.* 4.—Var. C. Bruguieri, *Kien. pl.* 56. *f.* 2. Cape Natal. |
| 448. | 278. | APLUSTRE, *Reeve, Z. P.* 1843; *C. I.* 170. Cape of Good Hope. |
| 449. | 273. | LOVENI, *Krauss, Südaf. Moll. pl.* 6. *f.* 25. Cape Natal. |
| 450. | 274. | TINIANUS, *Brug. E. M.* 109; *Lamk.* 134.—Var. C. ardisiacus, *Kien. pl.* 108. *f.* 1. Island of Tinian. |
| 451–453. | 275. | INFRENATUS, *Reeve*, 285. Delagoa Bay. |
| 454. | 276. | LAUTUS, *Reeve*, 255. Cape Natal. |
| 455, 456. | 277. | ROSACEUS, *Chemn.* xi. *f.* 1756–7.—C. aurora, *Lamk., Sowb.*, etc.—C. citrinus, *Kien. pl.* 59. *f.* 6 (not *pl.* 78. *f.* 6). Cape Natal. |
| 457, 458. | 279. | SPECTRUM, *Linn.? Brug.* Moluccas, Borneo, Mauritius. |
| 459. | 284. | COLLISUS, *Reeve*, 273. Hab. ——? |
| 460. | 285. | STIGMATICUS, *A. Ad. Z. P.* 1853. |
| 461, 462. | 281. | STILLATUS, *Reeve*, 247 var. (*f.* 461).—C. spectrum, var. *b*, *Reeve*. Moluccas. |
| 463, 464. | 283. | CONSPERSUS, *Reeve*, 262.—C. verrauxii, *Kien.*—C. inflatus, *Sowb. Con. Ill.* 41? Moluccas. |
| 465. | 282. | BRODERIPPII, *Reeve*, 254. Moluccas. |
| 466. | 291. | ZEBRA, *Lamk.* 82.—C. stramineus, var., *Reeve*. |
| 467. | 288. | CINEREUS, *Rumphius* (Voluta cinerea).—Var. C. cærulescens, *Lamk.*—C. lividus, *Chemn.* xi. *t.* 183. *f.* 1776–7.—C. rusticus, *Dilwyn.*—Var. C. modestus, *Sowb. C. I.* 19? Philippines. |
| 468. | 289. | GABRIELLI, *Kien. pl.* 74. *f.* 4. |
| 469. | 287. | LYNCEUS, *Solander, MS.* Moluccas. |
| 470, 471. | 290. | NISUS, *Chemn.* xi. *f.* 1784–5.—C. stramineus, *Lamk.* 31.—C. alveolus, *Sowb. C. I.* 11. Moluccas, Philippines. |

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## CONUS.—Plate XX.

| Fig. | Sp. | |
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| 472. | 293. | SUBULATUS, *Kien. pl.* 70. *f.* 2 (not *Kien. pl.* 92. *f.* 6). Islands of Mindanao and Corregidor, Philippines, *Cum.* |
| 473. | 293. | LACTEUS, *Lamk.* 83.—C. spectrum-album, *Chemn.* x. *pl.* 140. *f.* 1304.—C. parius, *Reeve*, 235. Philippines, *Cum.* |
| 474, 475. | 295. | BERNHARDI, *Kien. pl.* 100. *f.* 2.—Var. (*f.* 475) C. Gubba, *Kien. pl.* 104. *f.* 1. Philippines, *Cum.* |
| 476. | 296. | CONTUSUS, *Reeve*, 276. Moluccas. |
| 477. | 299. | INSCRIPTUS, *Reeve, Z. P.* 1843; *C. I.* 164. Hab. —— ? |
| 478. | 297. | JANUS, *Brug. E. M.* 79; *Lamk.* 99. New Guinea, etc. |
| 479. | 298. | KEATII, *Sowb. Th.* Seychelles, *W. Keate, Esq.* |
| 480. | 300. | IODOSTOMA, *Reeve, Z. P.* 1843; *C. I.* 159. Hab. —— ? |
| 481. | 301. | MUCRONATUS, *Reeve, Z. P.* 1843; *C. I.* 204. Philippines, *Cum.* |
| 482. | 303. | FILAMENTOSUS, *Reeve*, 260. Hab. —— ? |
| 483. | 305. | NEPTUNUS, *Reeve, Z. P.* 1843; *C. I.* 30. Island of Bohol, Philippines, *Cum.* |
| 484. | 302. | KIENERI, *Reeve.*—C. nisus and C. roseus, *Kien.* Hab. —— ? |
| 485. | 304. | LATIFASCIATUS, *Sowb. Th.* Hab. —— ? |
| 486. | 94. | AUSTRALIS, *Chemn.* xi. *pl.* 183. *f.* 1774–5.—C. gracilis and C. duplicatus, *Sowb. Gen. of Shells.* Australia. |
| 490. | 308. | RADIATUS, *Gmel.*—C. "teres lævis," *Mart.*—C. Martinianus, *Reeve*, 217. Philippines. |
| 487–489. | 306. | FASCIATUS, *Mart. pl.* 53. *f.* 573.—C. ochroleucus, *Gmel.*—C. præfectus, *Brug.* 128; *Lamk.* 157. |
| 491. | 310. | PLANORBIS, *Born, Ind. Mus. Cæs. t.* 7. *f.* 13.—C. vulpinus, *Born, pl.* 48. *f.* 2.—C. polygonias, *Gmel.?* Philippines. |
| 492. | 318. | CONSORS, *Sowb. C. I. f.* 42. Philippines, *Cum.* |
| 493. | 319. | ANCEPS, *A. Adams, Z. P.* 1853.—C. innexus, *ibid.* included. Moluccas. |
| 494. | 316. | RAPHANUS, *Brug. E. M.* 118. Philippines. |
| 495. | 317. | CARINATUS, *Swainson, Z. Ill. pl.* 112. Philippines. |

CONUS 20.

Thes Pl 206

## CONUS.—Plate XXI.

Fig. Sp.

496. 321. Boivinii, *Kien. pl.* 64. Hab. ——?

497. 322. omaicus, *Brug.* 111; *Lamk.* 138.—"Insulæ Sanctæ Thomæ," *Chemn. pl.* 143. *f.* 1331. Amboyna.

498, 499. 323. nobilis, *Linn.* 301. Philippines, Moluccas, etc.

500. 325. floccatus, *Sowb. C. I. f.* 112.—Var. C. Magdalenæ, *Chemn.*; *'Leçons Elémentaires,' Kien. pl.* 69. *f.* 2. Luzon, Philippines, *Cum.*

501. 326. aurisiacus, *Linn.* 316. Moluccas, *Hinds.*

503. 327. nimbosus, *Brug. E. M.* 125. Ceylon.

(Frontisp.) 329. rhododendron, *Couthouy, Ann. Lyc. New York.* —C. Adamsoni, *Gray, MS.*; *Reeve, C. I.* 22. Australia.

505. 335. assimilis, *A. Ad. Z. P.* 1853. N. Australia.

506, 507. 336. monachus, *Linn.* 304. Philippines, *Cum.*

508–512. 337. magus, *Linn.* 317.—Var. C. Indicus, C. tenellus, C. clandestinus, *Chemn.* Philippines, Mauritius, Pacific.

513, 514. (and f. 525.) 338. circæ, *Chemn.* xi. Philippines, *Cum.*

515. 339. epistomium, *Reeve, Z. P.* 1843; *C. I.* 227. Mauritius.

516. (for 510 see f. 327–8.) 340. ustulatus, *Reeve, Z. P.* 1843; var. *f.* 328.—C. striolatus, *Reeve, C. I.* 262. New Holland.

517, 518. 342. Timorensis, *Brug. E. M.* 122; *Lamk.* 153.—C. vespertinus, *Humph.*; *Sowb. Tam. Cat.*—C. gracilis, *Mawe.* Isl. Timour, Moluccas.

519–522. 341. gubernator, *Brug. E. M.* 121; *Lamk.* 143. Mauritius, Madagascar, etc.

523. 343. terminus, *Lamk.* 141. Ceylon, Mauritius, Philippines, etc.

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Fig. Sp.

524. 324. VICTOR, *Brod. Z. P.* 1842. Hab. —— ?

525. 328. CIRCÆ, var. (see *f.* 513, 514).

526. 348. OBSCURUS, *Humph. MS.; Sowb. Con. Ill. f.* 26. Philippines, *Cum.*

527, 528. 393. CYLINDRACEUS, *Brod. Z. Journ.* v. *f.* 51. Society Islands and Philippines, *Cum.*

529. 399. NUCLEUS, *Reeve*, 280. Luzon, Philippines, *Cum.*

530, 531. 395. GLANS, *Brug. E. M.* 130; *Lamk.* 160. Philippines, etc.

532, 533. 396. TENUISTRIATUS, *Sowb. Th.* Philippines, *Cum.*

534. 397. TENDINEUS, *Brug. E. M.* 127; *Lamk.* 156. Mrs. De Burgh's specimen. Island of Aunaa, Mauritius, etc.

535. 403. MITRATUS, *Brug. E. M.* 132. On reefs, Ticao, Philippines, *Cum.*

536. 389. DACTYLOSUS, *Kien. pl.* 97. *f.* 2. Hab. —— ?

537. 390. VIOLACEUS. *Reeve, C. I.* 241. On reefs, Matnog, Island of Luzon, *Cum.*

538, 539. 391. COCCINEUS, *Gmel.; Linn. Syst.* 46.—C. Solandri, *Brod. Z. Journ.* Island of Luzon, *Cum.*

540, 541. 392. GRANULATUS, *Linn.*, var. alba (*f.* 540).—C. verulosus, *Kien.*—C. alabaster, *Reeve?* Antigua.

542, 543. 398. SCABRIUSCULUS, *Chemn.* xi. *f.* 1788, 1789.—C. fabula, *Sowb. C. I. f.* 5. Fig. 543 from Mrs. De Burgh's collection. Isl. Luzon, Ph., *Cum.*

544, 545. 400. LUTEUS, *Brod. Z. P.* 1833. Reefs, Island of Aunaa, Pacific, *Cum.*

546. 352. DESHAYESII, *Reeve, Z. P.* 1843.—C. cervus, *Sowb.* (*not Lamk.*) Swan River and Red Sea.

547. 353. MELANCHOLICUS, *Lamk.* 158. Hab. —— ?

548. 350. CERVUS, *Lamk.* 151. Amboyna.

549. 349. INTERMEDIUS, *Reeve, Z. P.* On reefs, Island of Aunaa, Pacific.

550. 351. BULLATUS, *Linn.* 322. Moluccas, Philippines, etc.

551, 552. 347. TULIPA, *Linn.* 323. Island of Aunaa, Pacific, Philippines, etc.

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# CONUS.—Plate XXIII.

Fig. Sp.

553, 554. 387. NUSSATELLA, *Linn.* 314.—C. Terebra, *Chemn.* Tropical climates.

555. 384. AUREUS, *Brug.* 135.—C. auricomus, *Lamk.* 167. Amboyna, Philippines, etc.

556. 388. TENELLUS, *Chemn.* xi. *t.* 183. 1782–3.—C. artoptus, *Sowb. C. I.* 35.—C. spectabilis, *A. Ad. Z. P.* 1853. Australia.

557. 345. STRIATUS, *Linn.* 318. Ceylon, Philippines, etc.

558. 345*. FLORIDUS, *Sowb. Th.* (See *Frontispiece.*)

559. 394. TEREBELLUM, *Mart. Conch. pl.* 52. *f.* 577.—C. Terebra, *Born.*—Var. C. cœlebs, *Hinds; Reeve,* 64. Philippines, *Cum.*

560. 346. GEOGRAPHUS, *Linn.* 324. Mauritius, Ceylon, etc.

561. 385. CLAVUS, *Linn.* 313.—C. auricomus, *Brug.* Philippines, etc.

562. 386. CIRCUMCISUS, *Born, Ind. Mus. Cæs.*—C. Dux, *Brug., Lamk.,* etc.—C. affinis, C. lævis, *Gmel.* Philippines.
(and see Frontisp.)

563. 357. SCRIPTUS, *Sowb. Th.* Hab. ——?

564. 380. CONVOLUTUS, *Sowb. Th.*—Drawn from Mr. Cuming's and coloured from Mrs. De Burgh's specimens, the former received from M. Verraux.

566. 359. LEGATUS, *Lamk.* 177.—C. musivum, *Brod.* Philippines, *Cum.*

567. 354. TEXTILE, *Linn.* 319. Ceylon, Society Isles, etc.

568. 360. CANONICUS, *Brug. E. M.* 143. *pl.* 345. *f.* 1. Ceylon, Philippines, Moluccas, etc.

569. 355*. TIGRINUS, *Sowb. Th.* Madagascar.

570. 358. VERRICULUM, *Reeve,* 208.—C. textile, var. *Lamk.* Philippines, etc.

571, 572. 361. ARCHIEPISCOPUS, *Brug. E. M.* 141. *pl.* 346. *f.* 1, *and pl.* 345. *f.* 5. Madagascar.

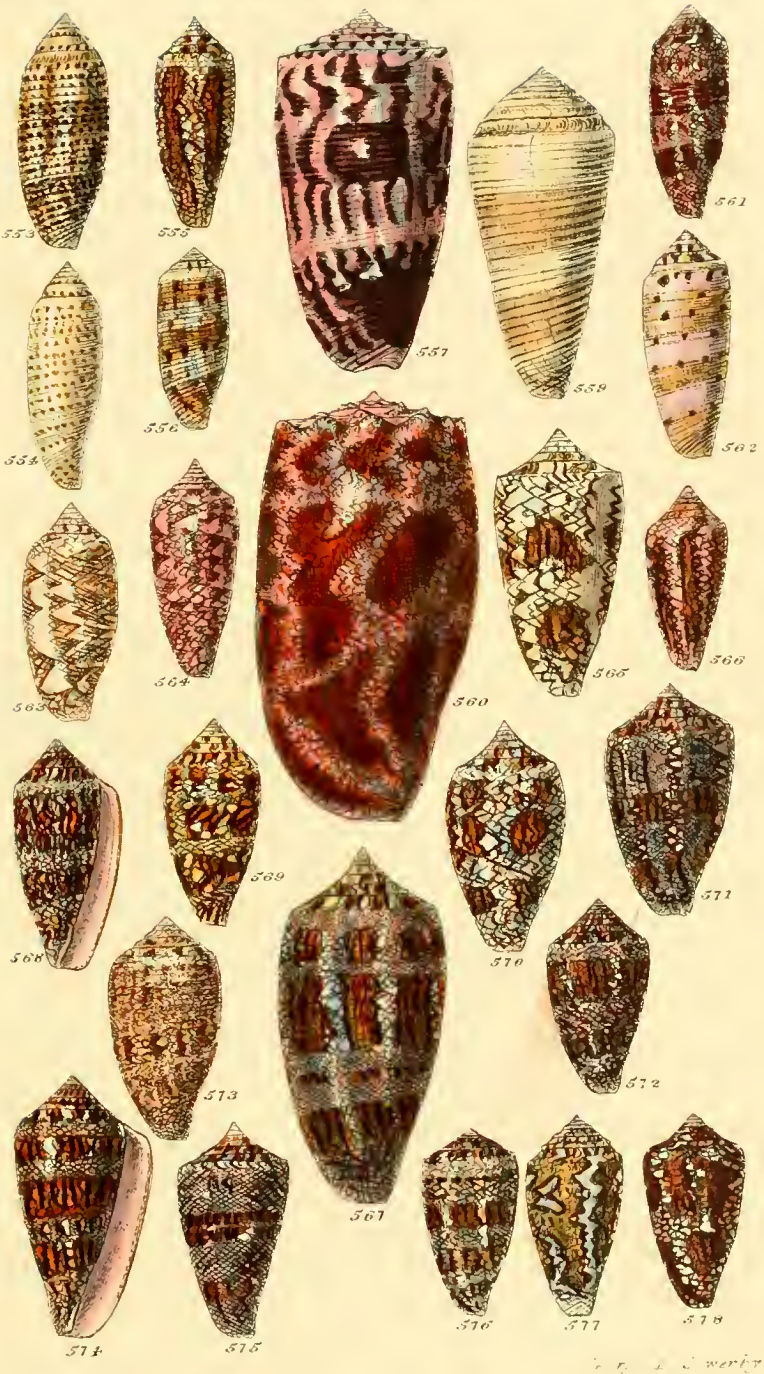
573. 365. CORBULA, *Sowb. Th.* Hab. ——?

574. 362. PANNICULUS, *Lamk.* 172. Indian Seas.

575. 363. ABBAS, *Brug. E. M.* 144. *pl.* 345. *f.* 3. Madagascar.

576, 577. 366. VICTORIÆ, *Reeve,* 202. Mouth of Victoria River, New Holland.

578. 373. ELIZÆ, *Kien. pl.* 64. *f.* 1.—Var. C. stellatus, *Kien. pl.* 99. *f.* 3.—Var. C. Lamarckii, *Kien pl.* 83. *f.* 4.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## CONUS.—Plate XXIV.

Fig. Sp.

579. 364. PYRAMIDALIS, *Lamk.* 179. Madagascar? Mr. Hanley's specimen.

580. 369. RETIFER, *Menke.*—C. solidus, *Sowb.*, as of *Chemn.* by error. Philippines and Society Isl., *Cum.*

581. 370. LUCIDUS, *Mawe, Conch.* 90.—C. reticulatus, *Sowb. C. I.* 86. Island of La Plata, W. Columbia, *Cum.*

582. 371. MADAGASCARIENSIS, *Sowb. Th.* Madagascar.

583. 365. CONCATENATUS, *Kien. pl.* 110. *f.* 1. Hab. —— ?

584. 367. TELATUS, *Reeve,* 270. Hab. —— ?

585. 372. PRÆLATUS, *Brug. E. M.* 140.—C. proarchithalassus, *Mart. t.* 57. *f.* 638?

586. 368. GLORIA-MARIS, *Chemn.* x. *f.* 1324–5. Bohol, Philippines, *Cum.*

587. 374. COLUBRINUS, *Lamk.* 165. On reefs, Tahiti, *Cuming.*

588, 589. 376. CROCATUS, *Lamk.* 136. Matnog, Island of Luzon, *Cuming.*

590. 375. RUBIGINOSUS, *Lamk.* 169.—C. monstrosus, *Chemn.* x. *pl.* 139. *f.* 1290–1?

591. 382. AURATUS, *Lamk.* 164. Society Islands, *Cum.*

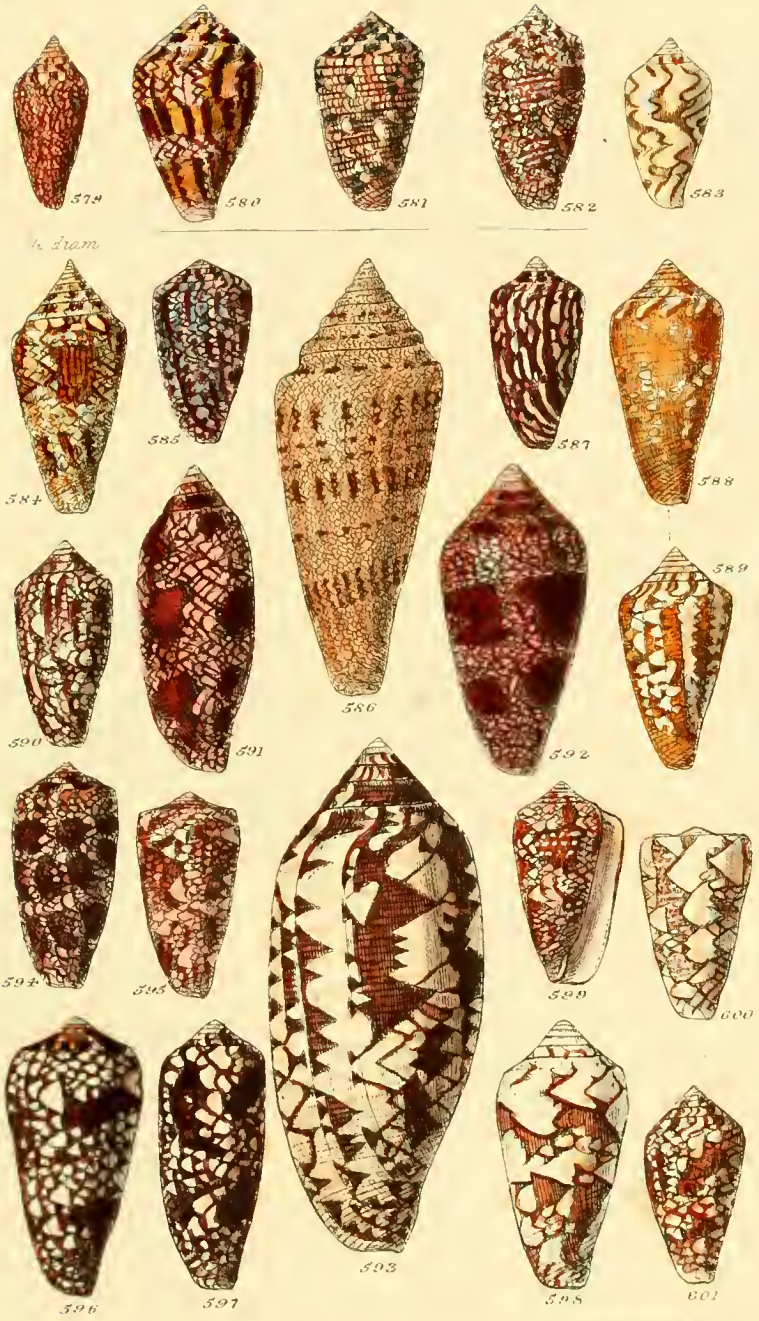
592. 383. MAGNIFICUS, *Reeve, Z. P.* 1843. Matnog, Island of Luzon, *Cum.*

593. 381. AULICUS, *Linn.* 320. Philippines, Mauritius, etc.

594, 595. 379. OMARIA, *Brug.* 137. Ceylon, Society Islands.

596–598. 378. EPISCOPUS, *Lamk.* 175. Philippines, etc.

599–601. 377. PENNACEUS, *Born, Mus. Ind. Cæs.* Sandwich Isl.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## CONUS.—Plate XXV.

Thes. Pl. 286.

Fig. Sp.

602, 603. 404. COMPRESSUS, *Sowb.* Hab. ——? *Mus. Taylor.*

604. 405. ROSEO-TINCTUS, *Sowb.* Hab. ——? *Mus. Taylor.*

605, 606. 406. ANAGLYPTUS, *Crosse, Journ. Conch.* 1865. Hab. ——? *Mus. Taylor.*

607. 407. MOUSSONI, *Crosse, Journ. Conch.* 1865. Hab. Seychelles. *Mus. Taylor.*

608. 111. LEMNISCATUS, *Reeve, Icon. Supp.*—C. sagittiferus, *Sowb. Pro. Zool. Soc.* 1865. This shell having been insufficiently figured and described in our text, was not recognized when the only full-grown specimen known passed from the Dennisson collection to that of T. L. Taylor, Esq. It was consequently described in the Proceedings before its identity was perceived. It is a beautifully marked and sculptured shell.

609, 610. 408. STRATURATUS, *Sowb. Pro. Zool. Soc.* 1865. Hab. Borneo.

611–614. 409. LIENARDI, *Bern. et Crosse, Journ. Conch.* 1861. Hab. N. Caledonia. *Mus. Angas.*

615. 410. SUBCARINATUS, *Sowb. Pro. Zool. Soc.* 1865. Hab. Nicobar Isl. *Mus. Cuming.*

616. 411. EXCAVATUS, *Sowb.* Hab. ——? *Mus. Taylor.*

617. 412. MACARÆ, *Bern. Monog. p.* 19. Hab. ——? *Mus. Roquand.*

# CONUS XXV.

*Thes. 286*

*W.West, imp.*

*G.B.Sowerby.*

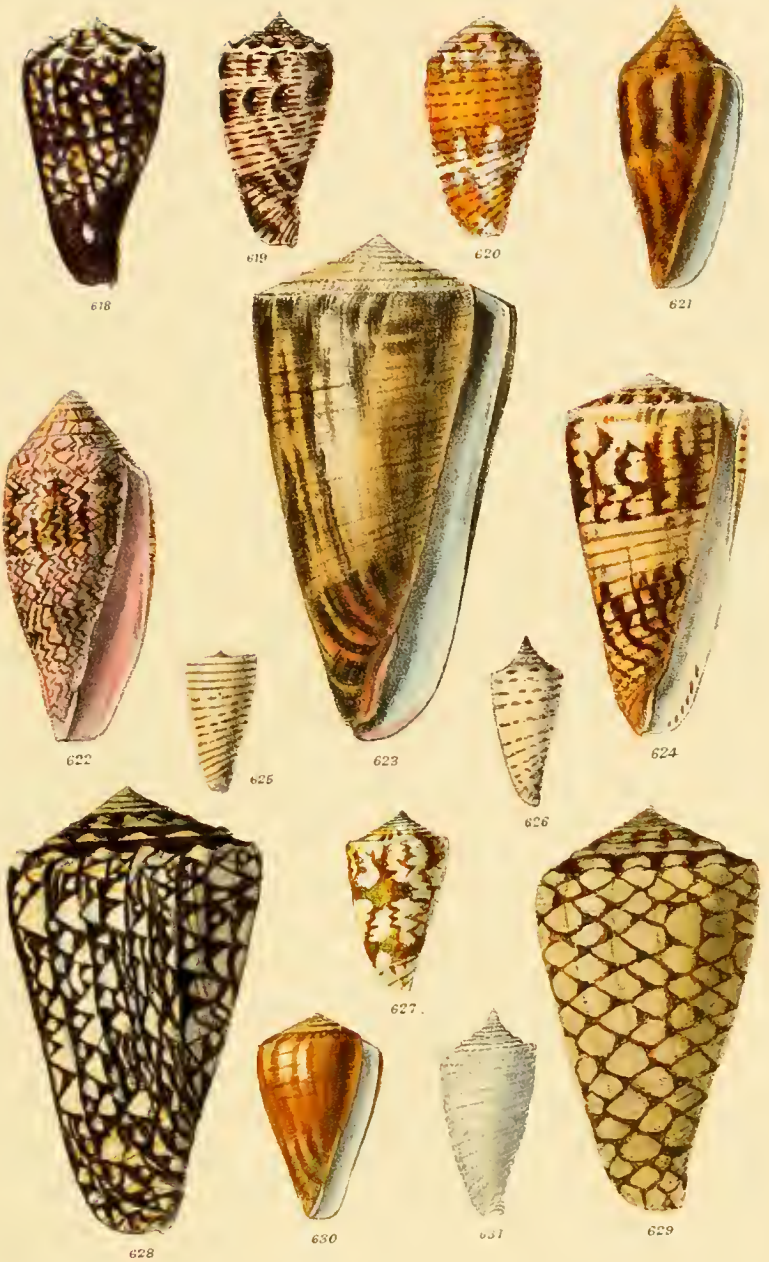
## CONUS.—Plate XXVI.

Thes. Pl. 289.

| Fig. | Sp. | |
|---|---|---|
| 618. | 413. | NIGRESCENS, *Sowb.* Hab. ——? *Mus. Cuming.* |
| 619. | 414. | PROXIMUS, *Sowb.* Hab. ——? *Mus. Cuming.* |
| 620. | 433. | CIRCUMSIGNATUS, *Crosse, Journ. Conch.* 1865, *t.* 10. *f.* 4. Hab. ——? |
| 621. | 415. | MACEI, *Crosse, Journ. Conch.* 1865, *t.* 10. *f.* 6. |
| 622. | 417. | CONDENSUS, *Sowb.* Hab. Sandwich Islands. |
| 623. | 416. | CÆLINÆ, *Crosse, Rev. Zool.* 1858, *pl.* 2. *f.* 1. *p.* 117. Hab. New Caledonia, *Mus. Crosse.* |
| 624. | 418. | CHENUI, *Crosse, Journ. Conch. t.* 6. *pl.* 11. *f.* 3, 4. Hab. New Caledonia, *Mus. Crosse.* |
| 625. | 419. | PLANAXIS, *Desh. Conch. Isl. Bourbon, p.* 134. *pl.* 13. *f.* 11, 12. Hab. Co. of Isl. Bourbon, *Maillard.* |
| 626. | 420. | SPIROGLOSSUS, *Desh. Conch. Isl. Bourbon, p.* 135. *pl.* 13. *f.* 13, 14. Hab. Isl. Bourbon, *Maillard.* |
| 627. | 421. | CONDERTI, *Bern. Journ. Conch. t.* 8. *pl.* 2. *f.* 3, 1. |
| 628, 629. | 422. | CROSSEANUS, *Bern. Journ. Conch. t.* 9. *pl.* 6. *f.* 3, 4. Hab. New Caledonia, *Mus. Angas.* |
| 630. | 423. | MISER, *Boivin, Journ. Conch.* 1864. Cape Verd. |
| 631. | 445. | ALABASTER, *Reeve, Conch. Icon.* Hab. ——? *Mus. Taylor.* |

# CONUS XXVI.

*Thes. 287*




*W.West. imp*

*G.B.Sowerby.*

## CONUS.—Plate XXVII.

Thes. Pl. 288.

Fig. Sp.

629*. 424. Villepini, *Bern. et Fisch. Journ. Conch. t.* 5. *pl.* 9. *p.* 202.

630*. 425. Daphne, *Boivin. Journ. Conch.* 1864. Hab. —— ? *Mus. Roquard.*

631*. 426. Ceciliæ, *Crosse, Journ. Conch. t.* 7. Hab. —— ? *Mus. Roquard.*

632. 427. Cabritii, *Bern. Journ. Conch. t.* 7. Hab. New Caledonia. *Mus. Roquard.*

633, 634. 428. multicatenatus, *Sowb. Pro. Zool. Soc.* 1865. Hab. —— ? *Mus. Taylor.*

635. 429. nodulosus, *Sowb. Pro. Zool. Soc.* 1865. Hab. Australia. *Mus. Taylor.*

636. 430. Tasmaniæ, *Sowb.* Hab. Tasmania. *Mus. Angas.*

637, 638. 431. quadratomaculatus, *Sowb.* Hab. —— ? *Mus. Taylor.*

639. 434. anabathrum, *Crosse, Journ. Conch.* 1865. Hab. —— ?

640, 641. 432. acutimarginatus, *Sowb.* Hab. —— ? *Mus. Taylor.*

642. 446. Lizardensis, *Crosse, Journ. Conch.* Lizard Island, Australia.

643, 644. 435. turriculatus, *Sowb.* Hab. —— ? *Mus. Taylor.*

645. 436. archetypus, *Crosse, Journ. Conch.* 1865.—*C. Daucus*, var. f. 330.

# CONUS XXVII.

*Thes. 288.*

*W. West, imp*

*C.B. Sowerby*

## CONUS.—Plate XXVIII.

Thes. Pl. 289.

Fig. Sp.

646. 438. CONCINNUS, *Sowb.* Hab. ——? *Mus. Taylor.*

647. 340. USTULATUS, *Reeve.* See also f. 516. A mistake has been made in figuring two shells in Plate XIV. under this name, and uniting the two species, *C. ustulatus* and *C. striolatus.* Our present Figure represents the former, and our Fig. 327, 328 represent the latter.

648. 439. BORNEENSIS, *Sowb.* Borneo, *Mus. Taylor.*

649. 440. PAZII, *Bern. Journ. Conch. t.* 6. *pl.* 11. *f.* 1, 2. Hab. ——? *Mus. Roquard.*

650, 651. 441. COMPLANATUS, *Sowb.* Hab. Australia, *Mus. Taylor.*

652. 442. ROLLANDI, *Bern. Journ. Conch. t.* 8. *pl.* 12. *f.* 4. Hab. ——? *Mus. Roquand.*

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# ANCILLARIA.—Plate I.

Thes. Conch. Pl. CCXI.

*(The Specimens figured belong, with two exceptions, to Mr. Cuming's Collection.)*

Fig. Sp.

1, 2. 27. AUSTRALIS, *Sowb., Sp. Conch.* Anc. p.* 8. New Zealand.

3. 28. DEPRESSA, *Sowb. Thes.*† New Zealand.

4, 5. 22. TANKERVILLEI, *Swains. Monog.*‡ *p.* 283. Isl. Marguerita, W. Indies.

6. 33. RUBIGINOSA, *Swains. Monog.* p.* 283. China.

7. 32. VERNEDEI, *Sowb. Thes.*† M. Vernède's collection. China.

8. 34. MAMILLATA, *Hinds, Voyage of the Sulphur.*—A. rubiginosa, *var. Sowb. Sp. Conch. f.* 52.

9, 10. 29. TRICOLOR, *Gray, App. to Voyage of Fly.* New Zealand.

11, 12, 14. 30. MUCRONATA, *Sowb. Sp. Anc. p.* 8. Australia.

13. 31. ANGUSTATA, *Sowb. Thes.* China Seas.

15, 16. 26. OBTUSA, *Swains. Monog.* 282. Port Natal, E. Africa.

17. 35. SIMILIS, *Sowb.*—rubiginosa, *var. Sowb. Sp. Conch. f.* 51. North Australia, *Capt. Ince.*

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* Sowerby's 'Species Conchyliorum,' *Ancillaria.*

† The present Monograph.

‡ Swainson's Monograph of Ancillaria, 'Journal of Science, Literature, and Art,' vol. xviii.

ANCILLARIA 1.

*Thes. Pl. 2II*

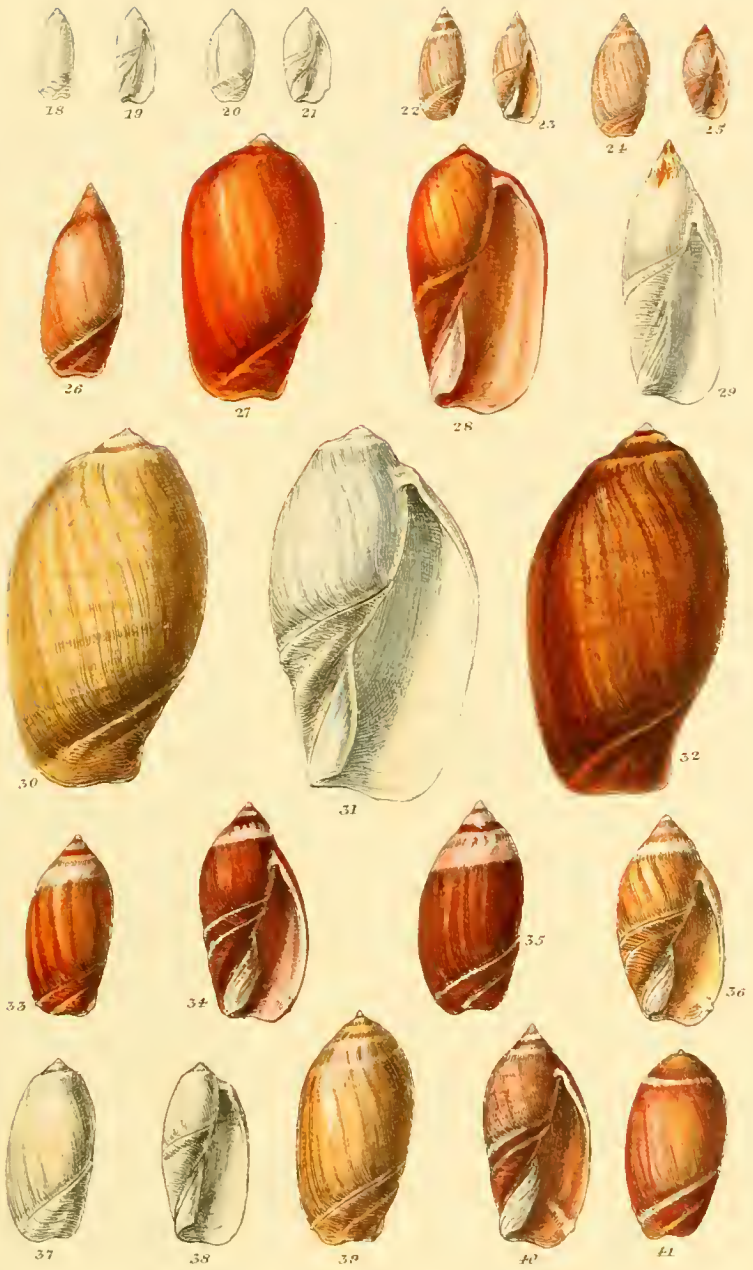
# ANCILLARIA.—Plate II.

Thes. Conch. Pl. CCXII.

| Fig. | Sp. | |
|---|---|---|
| 18, 19. | 4. | CYLINDRICA, *Sowb. Thes.* China Seas. |
| 20, 21. | 5. | TRONSONI, *Sowb. Thes.* Red Sea, *M. Tronson.* |
| 22, 23. | 12. | LINEOLATA, *A. Ad. Pro. Zool. Soc.* Hab. ——? |
| 24, 25. | 13. | STRIOLATA, *Sowb. Thes.* Hab. ——? |
| 26, 29. | 6. | AMPLA, *Gmel.* (Voluta).—A. candida, *Lamk. sp.* 4. Ceylon and Mauritius, *Capt. Maryatt;* Philippines, *H. Cuming.* |
| 27, 28. | 2. | APERTA, *Sowb. Tank. Cat. Sp. Conch. Ancill. p.* 3. Pacific. From Mrs. De Burgh's collection. |
| 29. | | AMPLA, see f. 26. |
| 30, 31, 32. | 1. | TOROSA, *Meusch.*—A. Mauritiana, *Sowb. Sp. Conch. Anc. p.* 3.—A. volutella, *Desh.* |
| 33, 34, 35. | 8. | CINNAMOMEA, *Lamk. An. s. Vert. Anc. sp.* 1.—A. brunnea? *Schum.*—A. effusa, *Swains. Monog. Sowb. Sp. Conch. f.* 8, 9. Persian Gulf. |
| 36. | 9. | ALBOFASCIATA, *Swains. Monog.*—cinnamomea, *var. Sowb. Sp. Conch. f.* 11, 12. Persian Gulf. |
| 37, 38. | 3. | SCAPHELLA, *Sowb. Thes.* Red Sea, *Earl Mountnorris.* |
| 39, 40, 41. | 7. | ALBISULCATA, *Sowb. Sp. Anc. f.* 4.—A. achatina, *Kiener.*—A. marginata, *Sowb. Gen. of Sh.*—A. cinnamomea, *Swains.* (*not Lamk.*)—A. caffra, *Forsch. Monk.* Red Sea. |

ANCILLARIA II.

*Thes Pl 212*



## ANCILLARIA.—Plate III.

Thes. Conch. Pl. CCXIII.

| Fig. | Sp. | |
|---|---|---|
| 42, 43. | 38. | OBLONGA, *Sowb. Sp. Conch. Anc. p.* 7. Australia. |
| 44, 45. | 41. | OBESA, *Sowb. Thes.* Australia. |
| 46, 47. | 36. | MARGINATA, *Lamk. An. s. Vert.* 3; *Sowb. Sp. f.* 40 *to* 43. Van Diemen's Land. |
| 48, 49. | 40. | NOVÆ-ZELANDIÆ, *Sowb. Thes.* New Zealand. |
| 50, 51. | 37. | SINENSIS, *Sowb. Thes.* China. |
| 52, 53. | 24. | ELONGATA, *Gray, App. to Voy. of Fly.* Rains's Island, Torres Straits, *Capt. Ince.* |
| 54. | 25. | CINGULATA, *Sowb. Sp. Conch. Anc. p.* 6. China and "Cape York, on sands," *Jukes.* |
| 55, 56. | 23. | DIMIDIATA, *Sowb. Thes.* Red Sea. |
| 57, 58. | 39. | LINEATA, *Kien. Sp. Coq. Viv.* Australia. |
| 59, 60, 61. | 43. | BALTEATA, *Swains. Monog. p.* 284. Ceylon. |
| 62, 63. | 42. | GLABRATA, *Linn.* (Buccinum glabratum).—Eburna glabrata, *Lamk.* Philippines and W. Indies. |
| 64, 65. | 44 | NIVEA, *Swains. Monog. p.* 285. Ceylon. |

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## ANCILLARIA.—Plate IV.

Thes. Conch. Pl. CCXIV.

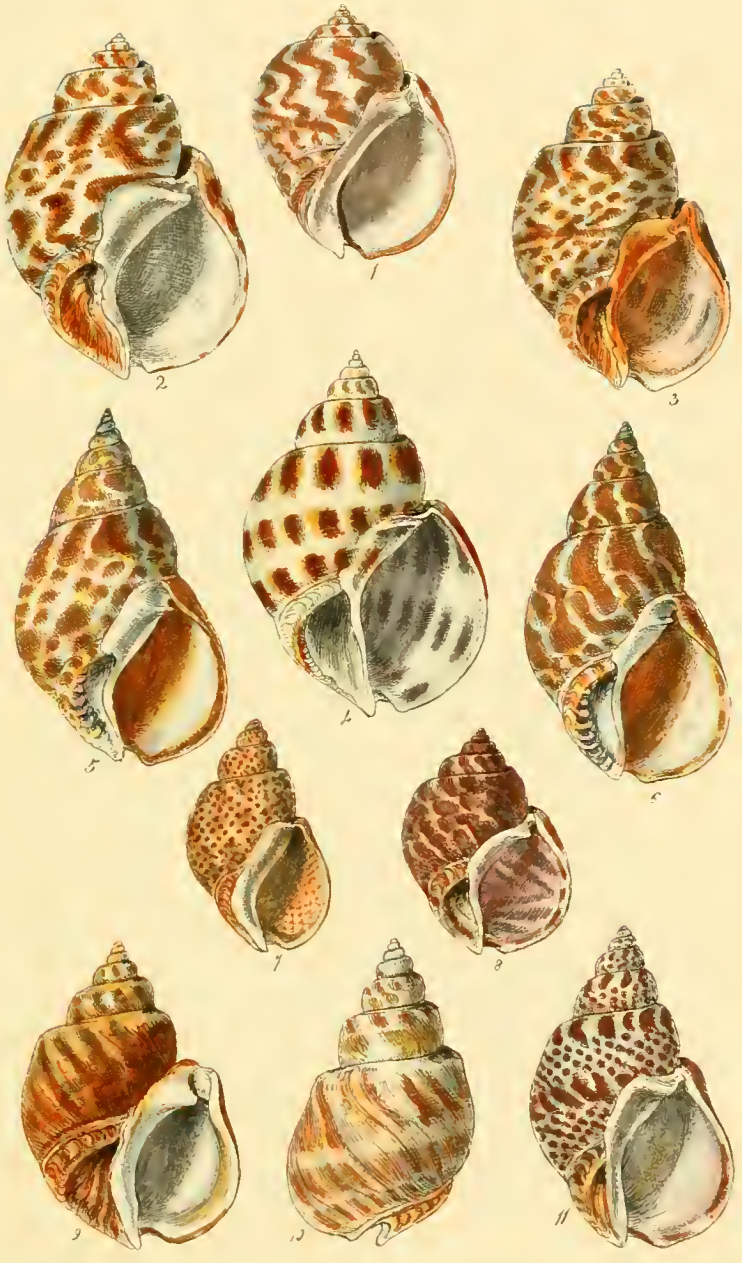
| Fig. | Sp. | |
|---|---|---|
| 66, 67. | 10. | acuminata, *Sowb. Thes.* South Africa. |
| 68, 69. | 11. | Deshayesii, *A. Ad. Sowb. Thes.* Red Sea. |
| 70, 71. | 20. | variegata, *Swains. Monog.* 278. Red Sea. |
| 72–75. | 19. | fulva, *Swains. Monog.* 278. Red Sea. |
| 76–79. | 14. | castanea, *Sowb. Sp. Conch. Anc. p.* 5. *f.* 20–23.—A. ventricosa, *Swains.* Red Sea. |
| 80, 81. | 21. | exigua, *Sowb. Sp. Conch. Anc. p-* 6. *f.* 33, 34, 35. Philippines, *Cuming.* |
| 82, 83. | 16. | ovalis, *Sowb. Thes.* Hab. ——? |
| 84, 85. | 17. | eburnea, *Desh. E. M.* 2. *p.* 42. Hab. ——? |
| 86. | 15. | crassa (see *f.* 90, 91). |
| 87–89. | 18. | ventricosa, *Lamk. An. s. Vert. Anc.* 2. Red Sea. |
| 90, 91 (& f. 86.) | 15. | crassa, *Sowb. Thes.* Red Sea, *M. Tronson.* |

ANCILLARIA IV.

*Thes Pl 214*

EBURNA.

Thes. Pl. 215




G. B. Sowerby

# EBURNA.

(*Continued from p.* 71.)

Plate 291.

9. SEMIPICTA (f. 12, 13), *Sowb.*—T. brevi, ventricosâ, medio anfractuum et infrà bifasciatim maculis rubris rotundis obliquè dispositis pictâ, spirâ brevi, acutâ, suturâ profundè canaliculatâ, varice canalifero, parvo, umbilico angusto, epidermide pallidè luteâ. —More rounded than *E. canaliculata*, with rounded spots arranged in a broad band in the centre of the whorls, about four spots deep, and in a lower band two spots deep; the canaliferous varix and the umbilicus are narrow.

10. CHRYSOSTOMA (f. 15, 16; *E. canaliculata*, var., pl. 215, f. 3), *Sowb.*—T. ventricosâ, quam *E. canaliculata* magis ovali, canali suturæ magis augusto, anfractibus supernè versus spiram appressis, maculis fasciatim nebulosis, aperturâ aurantiâ seu roseâ. —The true *E. canaliculata* has a rhomboidal or squarish form, which is not found in three shells which we have figured. The mouth in that species is bluish-white, while in the several varieties of *E. chrysostoma* there is a tendency to colour, and some specimens are bright orange. The spots also are smaller and more mottled and blended. The sutural canal is invariably narrower. Var. f. 16 is almost as rounded and short as *E. Molliana* (*Valentiana*, Auct.) but is distinguished without difficulty.

11. BORNEENSIS (f. 14), *Sowb.*—T. ovali, acutâ, tenuiusculâ, maculis magnis, superioribus subangulatis, alteris rotundis, anfractibus supernè appressis, canali suturali angusto, callo spirali umbilici crenulato, angusto, canali parvo, labro infrà subcontracto. —More oval in form, more dark in the colour of its more rounded spots, with narrower sutural canal, smaller siphonal canal, and outer lip more contracted at the base than *E. canaliculata*.

12. FORMOSÆ (f. 17, 18), *Sowb.*—T. ovali, acutâ, maculis magnis rubescentibus undulatis pictâ, anfractibus subintlatis ad suturam angulatim depressis, umbilico latiusculo, umbilici callo spirali castaneo, anfractu ultimo infrà canaliculato.—The form and suture of this shell resemble those of *E. Japonica*, but the markings are totally different.

## EBURNA.—Plate II.

Thesaurus, pl. 291.

Fig.

12, 13. SEMIPICTA, 9, *Sowb.* Hab. —— ? Two beautiful specimens in Mr. Taylor's collection, and one in that of Mr. Hamilton.

14. BORNEENSIS, 11, *Sowb.* Hab. Borneo.

15, 16. CHRYSOSTOMA, 10, *Sowb.* Hab. Ceylon.

17, 18. FORMOSÆ, 12, *Sowb.* Hab. Isl. Formosa. Specimen in Mr. Taylor's collection. More mature specimens have since been procured.

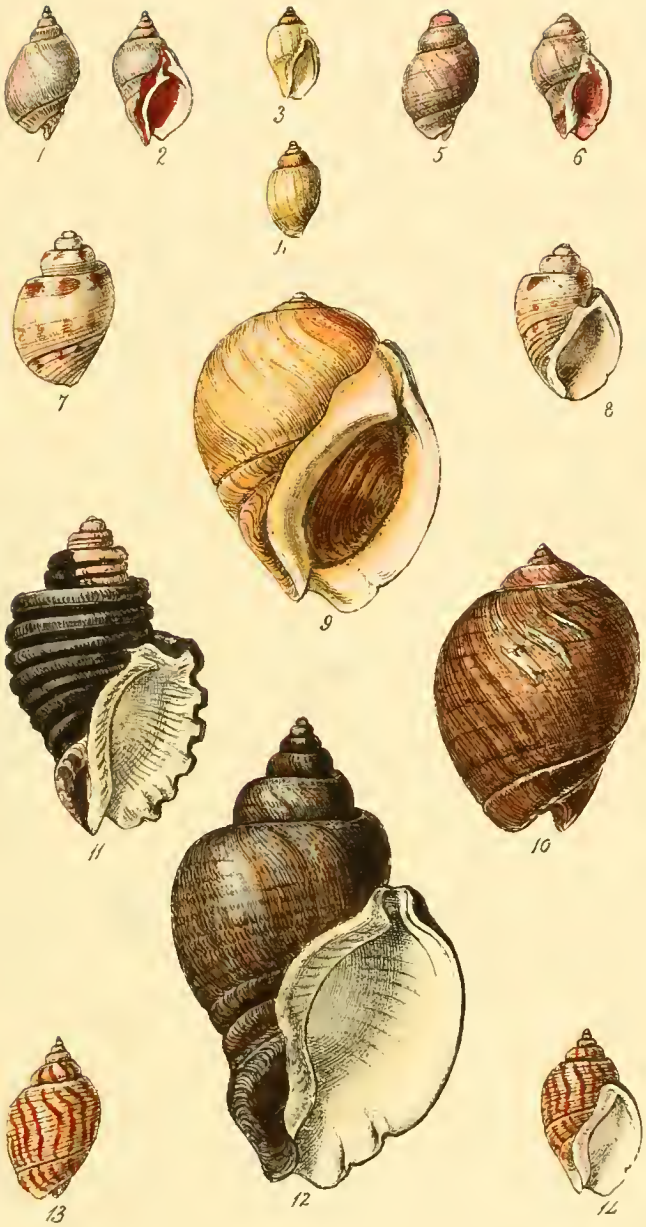
# EBURNA II.

*Thes 291.*

*W.West, imp.* *G.B.Sowerby*

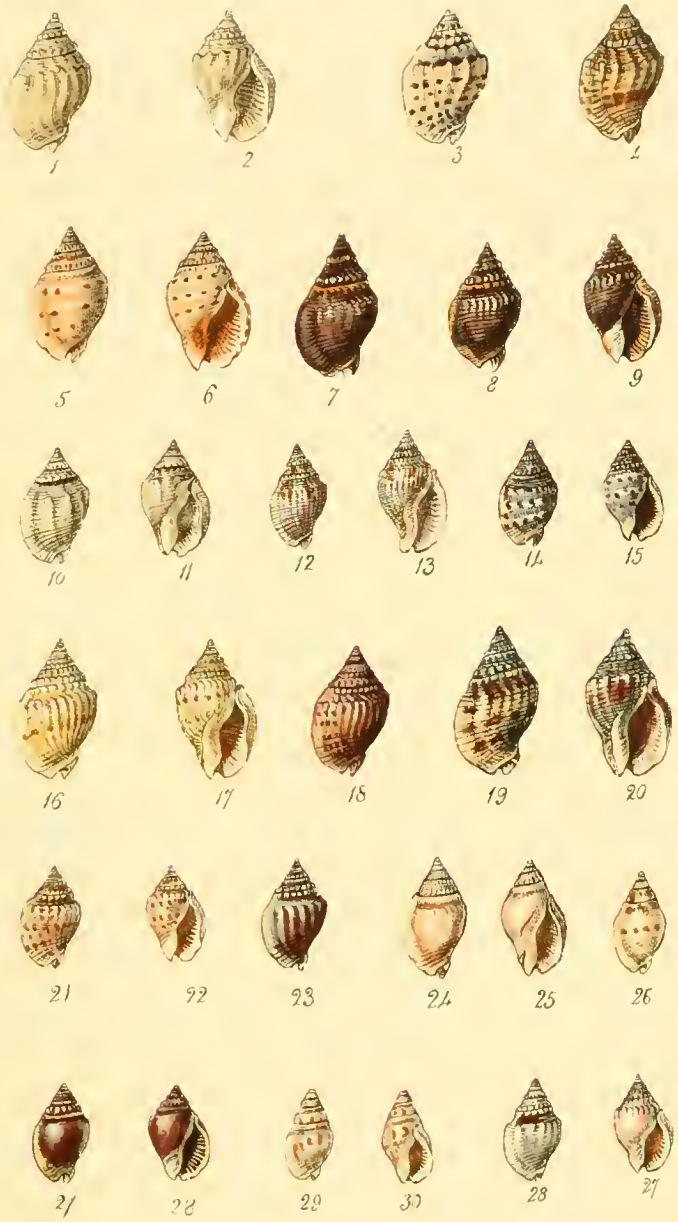
PSEUDOLIVA

Tnes Pl. 216

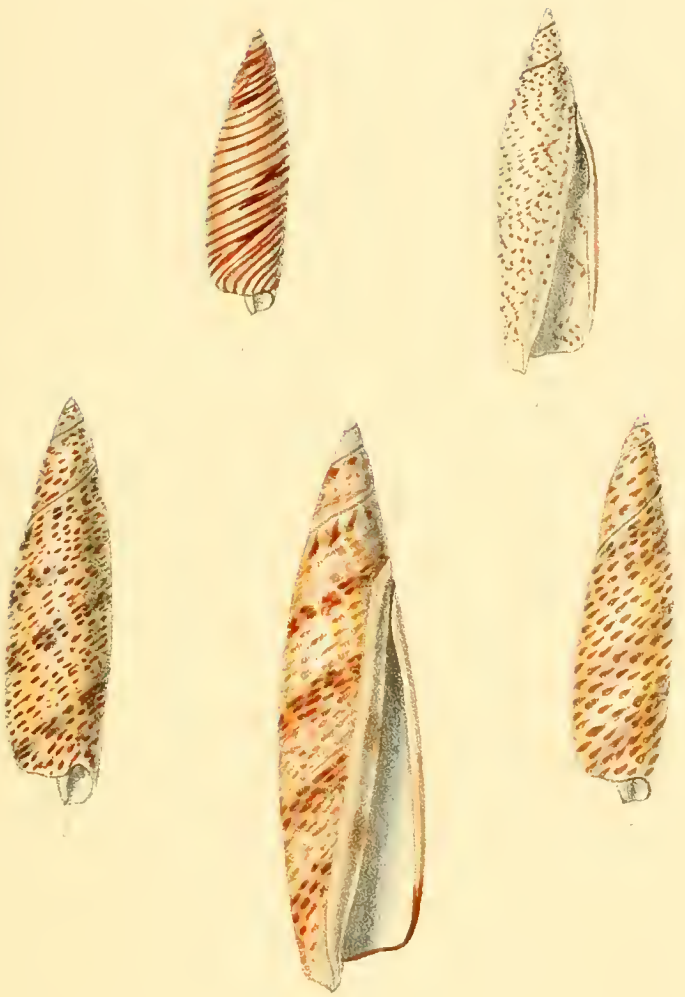


CYLLENE

Thes. Pl. 217




G. B. Sowerby



# ERATO, *Risso.*

Thes. Conch. Pl. CCXIX.

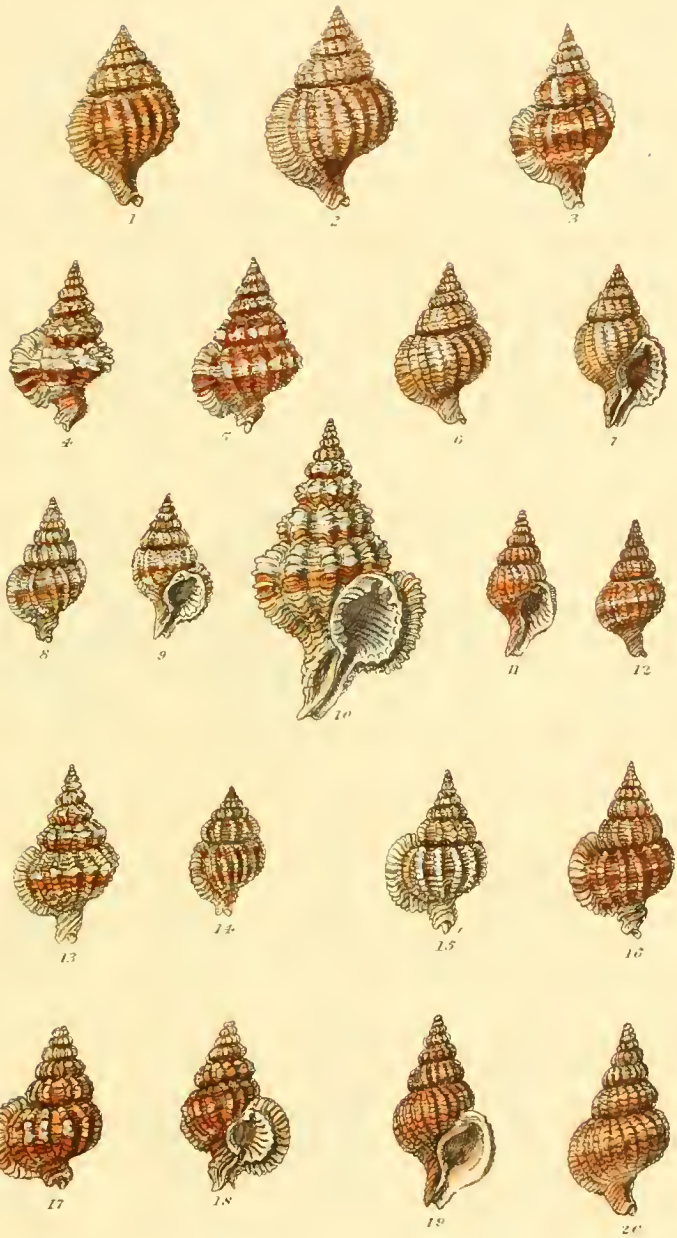
(*Figures enlarged one-half from Mr. Cuming's Collection.*)

| Fig. | Sp. | |
|---|---|---|
| 1–3. | 1. | SULCIFERA, *Gray.* |
| 4–6. | 5. | LACHRYMA, *Gray.* |
| 7–9. | 11. | MAUGERIÆ, *Gray.* |
| 10, 11. | 3. | CORRUGATA, *Hinds.* |
| 12, 13. | 4. | NANA, *Duclos.* |
| 14–16. | 2. | SCABRIUSCULA, *Gray.* |
| 17, 18. | 8. | HÆMATINA, *Menke.* |
| 19, 20. | 13. | ANGYOSTOMA, *Sowb.* |
| 21, 22. | 7. | SANDWICHENSIS, *Sowb.* |
| 23, 24. | 13. | ANGYOSTOMA, *Sowb.* |
| 25, 26. | 15. | ANGULIFERA, *Sowb.* |
| 27, 28. | 16. | VITELLINA, *Hinds.* |
| 29, 30. | 6. | GUTTATA, *Sowb.* |
| 31, 32. | 12. | COLUMBELLA, *Menke.* |
| 33, 34. | 14. | GALLINACEA, *Hinds.* |
| 35–37. | 9. | CALLOSA, *Sowb.* |
| 38–40. | 10. | LÆVIS, *Donov.* |

# ERATO

*Enlarged, ½.*

*Thes. Pl. 219*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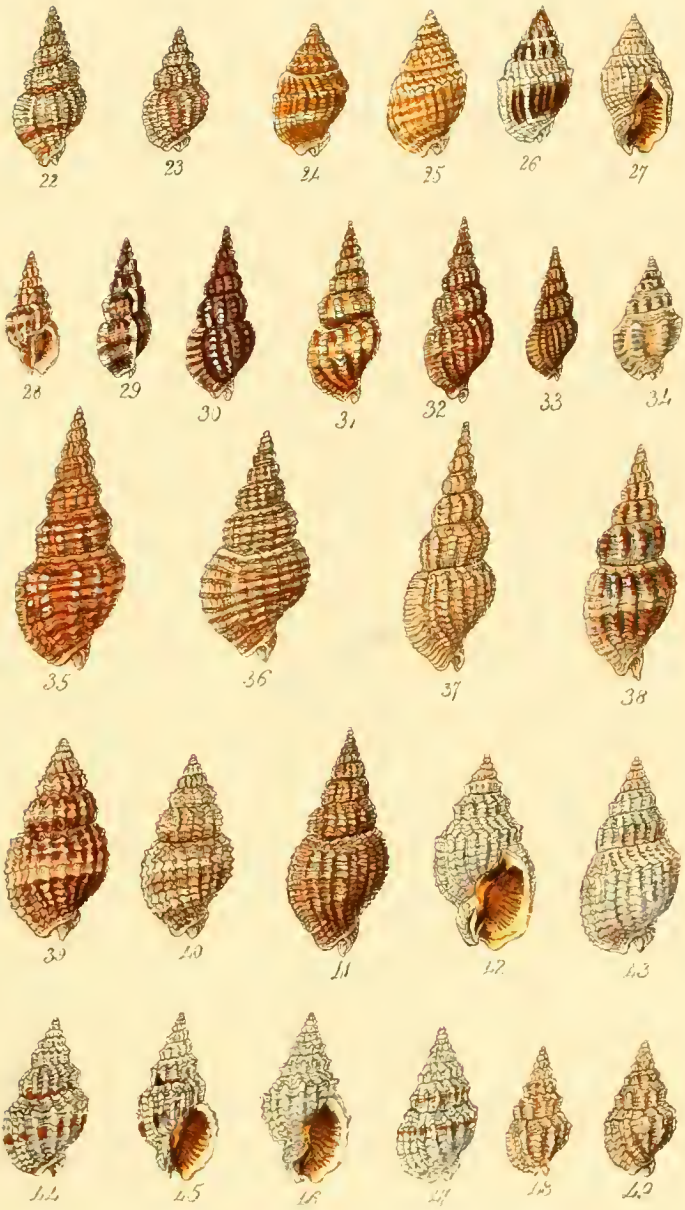
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## DENTALIUM.—Plate I.

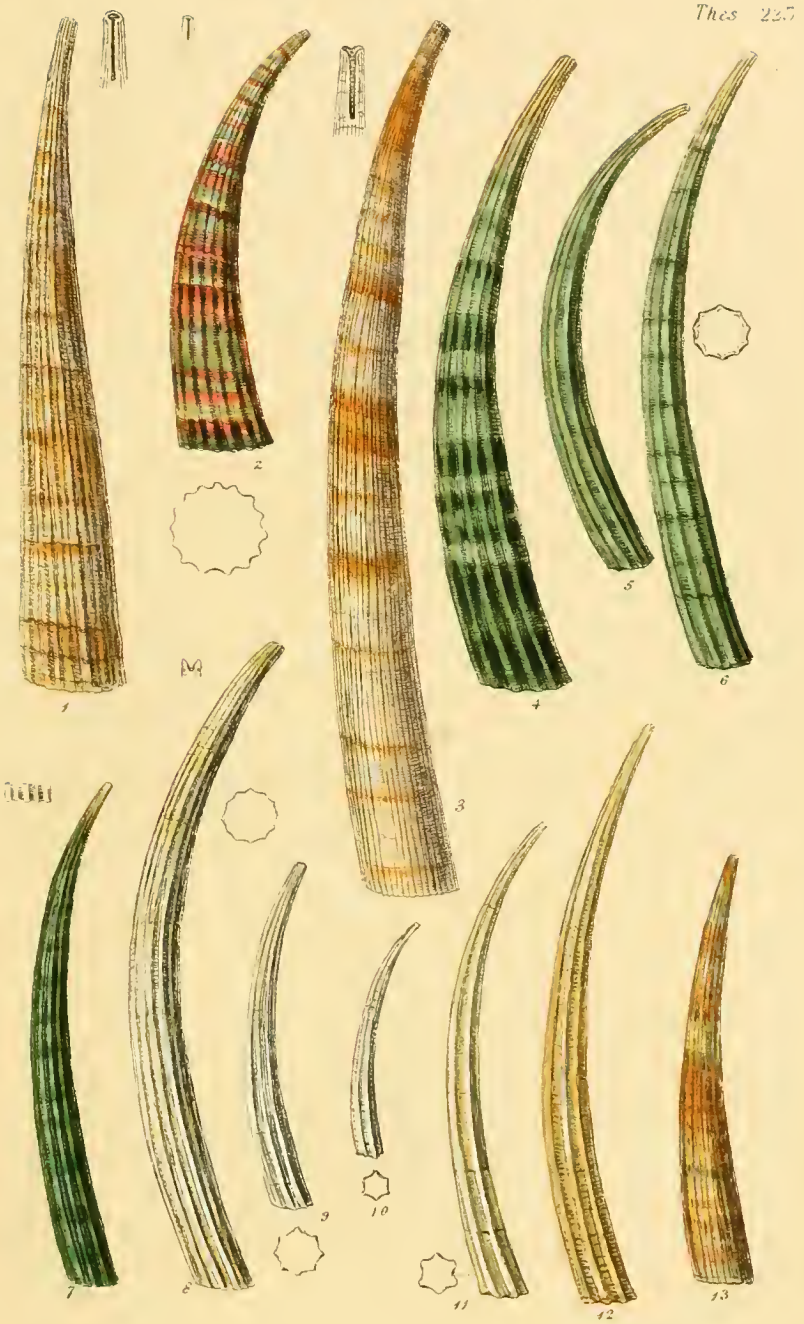
(The specimens, unless otherwise indicated, are from the collection of H. Cuming, Esq.)

Fig.

1. RECTUM, *Sp.* 32, *Gmel.*—D. elephantinum, *Desh.*, not *Lin.*—D. striatum, *Mart.* Adriatic.
2. FORMOSUM, 34, *Ad. & Reeve, Voy. Samarang*, p. 71. Sooloo Archipelago.
3. VERNEDEI, 33, *Hanley.*—D. grande, *Desh.*, foss.? Japan. Collection of R. M'Andrew, Esq.
4. ELEPHANTINUM, 36, *Linn.*—D. arcuatum, *Gmel.*, *Desh.* Philippines.
5, 6. APRINUM, 37, *Linn.*—D. striatulum, *Gmel.* St. Nicholas, Isl. Zebu, Ph., *H. Cuming.*
7. INTERSTRIATUM, 38, *Sowb. Jun.* Isl. Bohol, Ph., *Cum.* Amboyna.
8. BISEXANGULATUM, 35, *Sowb. Jun.* Java.
9. OCTOGONUM, 41, *Lamk.* China.
10. HEXAGONUM, 43, *Gould.* N. America. Also China and Singapore.
11. SEXCOSTATUM, 44, *Sowb. Jun.* Hab.——? My own specimen, *unique.*
12. JAVANUM, 39, —? Java, Malacca.
13. ZELANDICUM, 31, *Sowb. Jun.* New Zealand.

DENTALIUM 1.

Thes 225




J. B. Sowerby

## DENTALIUM.—Plate II.

Fig.

14. DENTALE, 26, *Linn.* Mediterranean.—Yellow var., E. Indies.

15–18. LESSONI, 25, *Desh.*—Var. f. 18, D. Panormum, *Chenu.* Algiers, etc.

19, 20. TARENTINUM, 21, *Lamk.* Mediterranean, Great Britain.

21, 22. TETRAGONUM, 49, *Sowb. Sen.* W. Columbia.

23. SEMIPOLITUM, 24, *Sowb. Sen.* —— ?

24–27. NOVEM-COSTATUM, 40, *Desh.*—D. fasciatum, *Gmel.?* Mediterranean.

28, 29. BELCHERI, 27, *Sowb. Jun.* E. Indian Archipelago.

30. VARIABILE, 30, *Desh.*—D. eburneum *and* album, *Turt.* Philippines.

31. QUADRANGULARE, 48, *Sowb. Sen., Z. P.,* 1832. Xipixapi; W. Columbia.

32. LIRATUM, 29, *Carpenter.* Malgattem.

33. QUINQUANGULATUM, 45, *Forbes.* Report on Ægean Sea.

34. PSEUDO-SEXAGONUM, 42, *Desh.* Masbate, Ph.; W. Columbia.

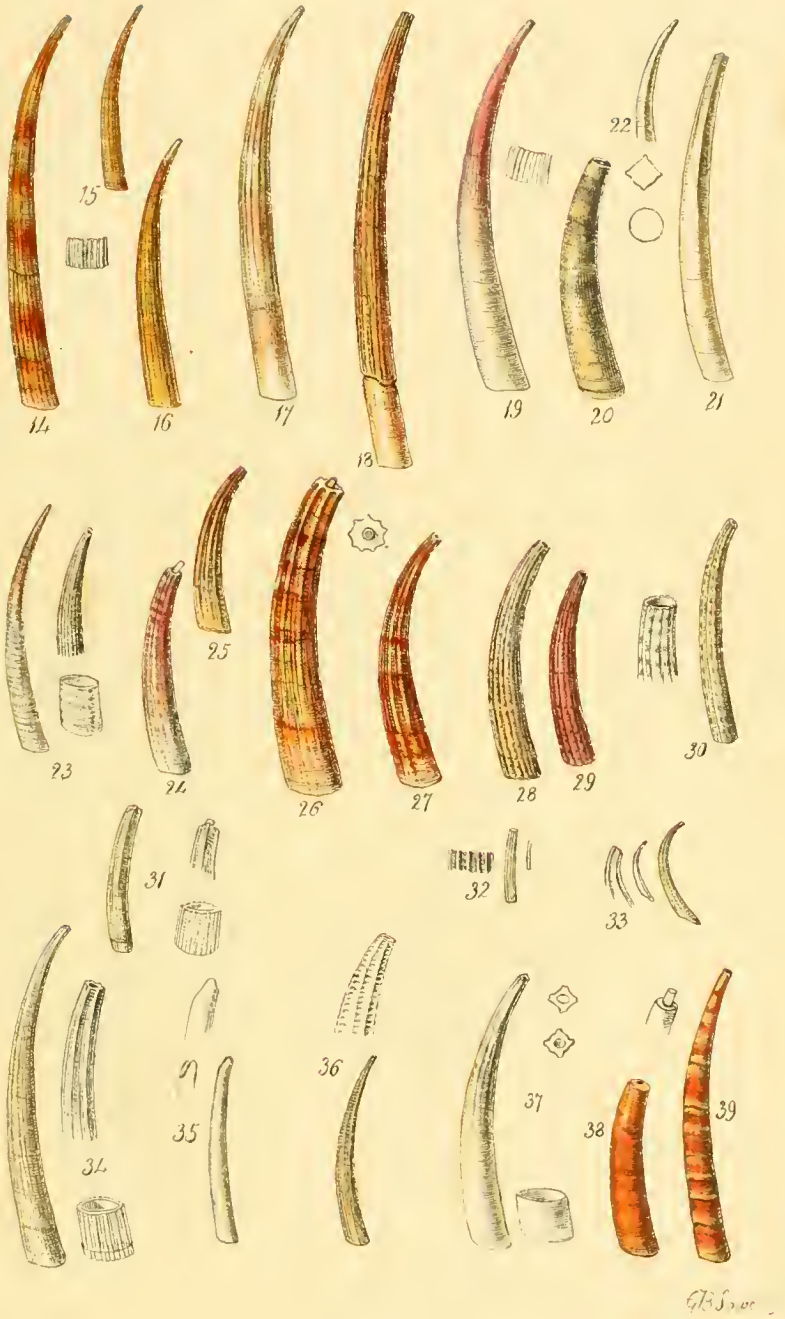
35. SECTUM, 18, *Desh.* Hab. —— ?

36. CANCELLATUM, 28, *Sowb. Jun.* China.

37. DISPAR, 47, *Sowb. Jun.* Singapore and Isl. Samar, Ph.

38. NOVEM-COSTATUM. See f. 24, 27.

39. RUBESCENS, 4, *Desh.* Mediterranean.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## DENTALIUM.—Plate III.

Fig.

40. ATTENUATUM, 15, *Sowb. Jun.* Hab. ——?

41. SPLENDIDUM, 8, *Sowb. Sen., Z. P.*, 1832. Xipixapi; W. Columbia.

42. INVERSUM, 14, *Desh.* Hab. ——?

43. FISSURA, 9, *Lamk.* Indian Seas.

44. LOBATUM, 20, *Sowb. Jun.*

45. FILUM, 17, *Sowb. Jun.*—D. duplex, *Desh.?* Hab. ——? Gibraltar, *M'Andrew.*

46. POLITUM, 19, *Linn.*—D. eburneum, *Desh.*, not *Linn.* Collection of S. Hanley, Esq.

47. TRANSLUCIDUM, 7, *Desh.*—D. vitreum, *Gmel.?* W. Indies.

48. LACTEUM, 6, *Desh.* E. Indies.

49. TARENTINUM. See f. 19, 20.

50–52. ENTALE, 1, *Linn.* Newfoundland, Great Britain, Mediterranean.

53. EBURNEUM, 11, *Linn.*—D. annulatum, *Sowb. Sen.*—D. Indicum, *Chenu.*

54. PHILIPPINARUM, 12, *Sowb. Jun.* Isl. Samar, Ph., *Cuming.*

55. ERECTUM, 13, *Sowb. Jun.* Sydney, *Strange.*

56. LUBRICATUM, 3, *Sowb. Jun.*—D. politum, *Desh.*, not *Linn.* Australia.

57. PRETIOSUM, 2, *Nuttall.*—D. striolatum, *Stimpson, Shells of Massachusetts.* California.

58. NEBULOSUM, 5, *Gmel.* Indian Seas.

59, 60. LONGITRORSUM, 10, *Reeve.*—D. Lamarckii, *Chenu.* Philippines.

61. QUADRAPICALE, 46, *Hanl. MS.* Cochin, Malabar. Collection of S. Hanley, Esq.

62. FISTULA, 16, (under 45,) *Sowb. Jun.* Hab. ——?

63. ACULEATA, 22, (under 49,) *Sowb. Jun.* Hab. ——?

64. CURTUM, 23, (under 48,) *Sowb.* Hab. ——?

Thes 225

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# NUCULIDÆ.

## Plate I.

The specimens figured are chiefly from Mr. Cuming's collection. The following abbreviations have been used to economize space:—*Am. Mér.* = the conchological portion of the 'Voyage dans l'Amérique Méridionale'; *Biv.* = Recent Bivalves; *C. I.* = Conchological Illustrations; *C. S.* = Conchologia Systematica, vol. i.; *Gen.* = Genera of Shells, plate Nucula; *Mass.* = Invertebrata of Massachussetts; *Sul.* = Mollusca of the Voyage of the Sulphur; *Syn.* = Synopsis Testaceorum; *Z. J.* = Zoological Journal; *Z. P.* = Proceedings of the Zoological Society of London.

| Fig. | Sp. | |
|---|---|---|
| 1, 2. | 1. | Solenella Norrisii, *Sow. Z. P.* 1832. *p.* 197; *Gen. n.* 39; *Reeve, C. S.* i. *pl.* 30; *D'Orb. Am. Mér.*—Malletia Chilensis, *Desm. Act. Linn. Bordeaux*, v.—Ctenoconcha Nuculoides, *Blainv. Zool. Voy. Venus, Moll. pl.* 23. *f.* 8. Valparaiso. |
| 3. | 2. | S. Cumingii, *Hanl. Z. P.* 1860. Falkland Isles. |
| 5. | 60. | Leda (Y.) arctica.—Nucula a., *Gray, Apx. Parry Voy.* 241 (*probably*).—N. Cascoensis, *Mighels, Bost. J. Nat. Hist.* iv.—Yoldia a., *Möller, Moll. Groenl. p.* 18.—N. Myalis, *Hanl. Biv. pl.* 19. *f.* 45.—Y. hyperborea, *Torell, Spitzberg. Moll.* 149. *pl.* 2. *f.* 6 (*as* N. h. *of Loven's MSS., mentioned by Gould*). Spitzbergen. |
| 6. | 55. | L. lepidula.—Yoldia l., *A. Adams, Z. P.* 1856. *p.* 50. Borneo. |
| 7. | 53. | L. Nicobarica.—Arca lævigata, pellucida, Nicobarica, *Chemn.* vii. 194. *f.* 541, *from which* A. l., *Spengl. Cat. pl.* 1. *f.* 10, 11 (*teste Brug.*), *and Dillw. Des. Shells*, 237; A. p., *Gmel.* 3308; A. N., *Brug. Vers*, 108.—Nucula N., *Lam.; Sow. C. I. f.* 4; *Reeve, C. S. pl.* 85. *f.* 4. E. Indies. |
| 9. | 59. | L. (Y.) limatula.—Nucula l., *Say, Amer. Conch. pl.* 12; *Conr. Amer. Mar. Conch. p.* 30. *pl.* 6. *f.* 1; *Gould, Mas.* 98, *f.* 62; *Hanl. Biv.* 170. *pl.* 20. *f.* 4; *Dekay, N. York Moll.* 180. *f.* 218. Maine and Massachusetts. |
| 8, 10, 11. | 58. | L. (Y.) amygdalea.—Nucula a., *Valenc. Zool. Venus, Mol. pl.* 23. *f.* 6. Kamtschatka. |
| 12. | 57. | L. (Y.) lanceolata.—Nucula l., *J. Sow. Mineral Conch. pl.* 180. *f.* 1 (fossil).—N. arctica, *Brod. and Sow. Z. J.* iv. 359. *pl.* 9. *f.* 1; *Hanl. Biv.* 168. *pl.* 20. *f.* 7; *Middend. Malac. Ross.* iii. 28.—N. Eolica, *Valenc. Voy. Venus, Mol. pl.* 23. *f.* 3. Kamtschatka. |
| 4, 13. | 66. | L. (Y.) Thraciæformis.—Nucula T., *Storer, Boston J.* ii. 122; *Gould, Mass.* 97. *f.* 66; *Hanl. Biv.* 169. *pl.* 20. *f.* 15; *Dekay, N. York Moll. p.* 178. *f.* 217.—Yoldia angularis, *Möller, Moll. Groenl. p.* 17.—Nucula laternaria, *Valenc. Voy. Venus, Moll. pl.* 23. *f.* 5.—Y. Mulleri, *Gray, Voy. Fly, Apx.* ii. 361. *pl.* 2. |

Fig. Sp.

*f.* 4.—Young. N. navicularis, *Couth. Bost. J. Nat. H.* ii. 178. *pl.* 4. *f.* 4; *Hanl. Biv.* 170; *Dekay, N. York Moll.* 180. N. America.

14. 65. L. (Y.) Japonica.—Nucula J., *Adams & Reeve, Zool. Samarang, Moll.* 75. *pl.* 21. *f.* 9. Japan.

15. 56. L. tenella.—Nucula t., *Hinds, Z. P.* 1843. *p.* 99; *Hanl. Biv.* 376. *pl.* 19. *f.* 47. Singapore.

16. 63. L. (Y.) sapotilla.—Nucula s., *Gould, Mass.* 100. *f.* 61; *Dekay, N. York Moll. p.* 180. *f.* 220; *Hanl. Biv.* 170. *pl.* 20. *f.* 3. Massachusetts.

17, 22. 62. L. (Y.) Woodwardi.—Yoldia W., *Hanl. Z. P.* 1860. Falkland Isles.

18. 61. L. (Y.) Myalis.—Nucula M., *Couth. Bost. J. Nat. H.* ii. 62. *pl.* 3. *f.* 7; *Dekay, N. York Moll. p.* 180. *f.* 219. N. England.

19–21. 34. L. serotina.—Nucula s., *Hinds, Z. P.* 1843. *p.* 99. —N. lepida, *A. Adams, Z. P.* 1856. *p.* 49. Singapore. Philippines.

## Plate II.

23–25. 69. L. (P.) lucida.—Yoldia l., *Loven, Index Moll. Skandinav. p.* 34. N. Europe.

26, 27. 70. L. (P.) pygmæa.—Nucula p., *Munster in Philippi, Mol. Sic.* ii. *p.* 46 (fossil); *Hanl. Biv. p.* 377. *pl.* 20. *f.* 18; *Middend. Mal. Ross.* iii. *p.* 28.—N. lenticula, *Möller, Moll. Groenl. p.* 17.—L. tenuis, *Jeffr. Ann. Nat. H.* xix. *p.* 313.—Yoldia p., *Loven, Ind. Moll. Skand. p.* 35; *Middend. Sibir. pl.* 18. *f.* 15–18. —L. p., *Forb. and Hanl. Brit. Moll.* ii. *p.* 230. *pl.* 47. *f.* 10. Britain. N. Europe.

28, 29. 71. L. (P.) retusa.—Nucula r., *Hinds, Z. P.* 1843. *p.* 99; *Sal. p.* 63. *pl.* 18. *f.* 9. Straits of Malacca. Philippines.

30, 31. 68. L. (P.) glacialis.—Nucula g., *Gray* (*as* Lembulus g. *of Leach*) *Ann. Philos.* 1825 (*name only*); *Index Test. Suppl. pl.* 2. *f.* 6.—N. truncata, *Brown, Conch. G. B. p.* 84. *pl.* 33. *f.* 18.—N. Portlandica, *Hitchcock, Bost. J. Nat. H.* i. *p.* 327, 328 (*figure*) *as fossil; Reeve in Belcher's Last Arct. Voy. p.* 396. *pl.* 33. *f.* 3.—N. siliqua, *Reeve, Z. P.* 1856. *p.* 48; *in Belcher's Last Arct. Voy. pl.* 33. *f.* 4.—Nuculana g., *Mörch, Prodr. Moll. Grönl.* Arctic Ocean.

32. 3. S. (N.) Australis.—Nucula A., *Quoy and Gaim. Astrol.* viii. *p.* 471. *pl.* 78. *f.* 5–10.—Neilo Cumingii, *A. Adams, Z. P.* 1852. *p.* 93.—Ctenoconcha navicula, *Valenc. Voy. Venus, Moll. pl.* 23. *f.* 7. N. Zealand.

33. 2. L. Sowerbiana, *D'Orb.*—Nucula lanceolata (*not J. Sow. or Lam.*), *G. Sow. C. I. f.* 1; *Reeve, C. S.* i. *pl.* 84. *f.* 1; *Hanl. Biv. pl.* 19 *f.* 19.—N elongata,

| Fig. | Sp. | |
|---|---|---|
| | | *Valenc. Voy. Venus, Moll. pl.* 23. *f.* 4 (*probably*). Xipixapi. |
| 34. | 9. | L. Metcalfei, *Hanl. Z. P.* 1860.—Nucula crenifera, *Hanl.* (*not Sow.*) *Biv. pl.* 19. *f.* 51 (*not desc.*). Philippines (*Cuming*). |
| 35. | 7. | L. Taylori, *Hanl. Z. P.* 1860.—Nucula lanceolata, *Lam.* (*not J. Sow.*); *Hanl. Biv. p.* 167 (*not fig.*). Guatemala. |
| 36. | 4. | L. Tellinoides.—Nucula T., *Sow. Gen. f.* 2; *Hanl. Biv.* 167.—Arca T., *Wood, Ind. Test. Sup. pl.* 2, *Arc. f.* 5. Cumana. |
| 37, 38. | 8. | L. crenifera.—Nucula c., *Sow. Z. P.* 1832. *p.* 197; *C. I. f.* 3; *Müller, Syn.* 190; *Desh. ed. Lam.* vi. 507; *Reeve, C. S. pl.* 84. *f.* 3; *Hanl. Biv.* 167 (*not fig.*).—L. c., *D'Orb. Am. Mér.* 545. Xipixapi. |
| 39. | 1. | L. elongata.—Nucula e., *Sow. Z. P.* 1832. *p.* 197; *C. I. f.* 2; *Müller, Syn.* 190; *Reeve, C. S. pl.* 84. *f.* 2; *Hanl. Biv.* 167. *pl.* 19. *f.* 50 (*badly*); *D'Orb. Am. Mér.* 543. Salango, W. Columbia. |
| 40, 41. | 6. | L. electa, *A. Adams, Z. P.* 1856. *p.* 48.—Nucula lanceolata, *G. Sow.* (*not J. Sow. or Lam.*), *Gen. f.* 1. Santos, Brazil. |
| 42, 43. | 5. | L. gloriosa.—Yoldia g., *A. Adams, Z. P.* 1855. *p.* 226. Singapore. |
| 44, 45. | 20. | L. lata.—Nucula l., *Hinds, Z. P.* 1843. *p.* 99; *Sul.* 64. *pl.* 18. *f.* 10.—L. semisulcata, *A. Adams, Z. P.* 1856. *p.* 50. New Guinea. Borneo. |
| 47, 48. | 10. | L. decora, *A. Adams, Z. P.* 1856. *p.* 50. W. Indies. |
| 49–52. | 3. | L. Patagonica, *D'Orb. Am. Mér.* 544. *pl.* 82. *f.* 1–3.—Nucula P., *Hanl. Biv.* 167. *pl.* 20. *f.* 14. Patagonia. |
| 53. | 21. | L. Belcheri.—Nucula B., *Hinds, Z. P.* 1843. *p.* 98; *Sul.* 63. *pl.* 18. *f.* 11. L'Agulhas Bank, Cape G. Hope, in deep water. |
| 54, 55. | 12. | L. concinna, *A. Adams, Z. P.* 1856. *p.* 48. N. Zeal. |

## Plate III.

| | | |
|---|---|---|
| 56–58. | 14. | L. pernula.—Arca p., *Müll. Beschäft. Naturf. Berlin*, iv. 55, 57.—A. fluviatilis, *Schröt. Flüss.* 187. *pl.* 9. *f.* 2.—A. Martini, rostrata, *Chemn. Conch.* vii. 206. *f.* 551, *termed* A. M. *by Schröter in his Index, and by Bolten.*—A. r., *Gmel.* 3308; *Brug. Vers*, 110; *Lam.*; *Wood, Ind. Test. pl.* 10. *f.* 43.—N. elongata, *Daudin in Bosc.* iii. 138. *pl.* 22. *f.* 5, 6.—N. f., *Sow. Gen. f.* 3; *Hanl. Biv.* 168.—L. r., *Schum. Sys. Tes.* 173. *pl.* 19. *f.* 4.—L. macilenta, *Steenstr. in Möller, Groenl. Moll.* 17 (*teste Mörch*).—Nuculana p., *Mörch, Prodr. Grönl.* Boreal Seas. |
| 59. | 11. | L. costellata.—Nucula c., *Sow. Z. P.* 1832; *C. I. f.* 8; *Müller, Syn.* 191; *Desh. ed. Lam.* vi. 508; |

| Fig. | Sp. | |
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| | | *Reeve, C. S. pl.* 85. *f.* 8; *Hanl. Biv.* 169. *pl.* 19. *f.* 54. Panama. |
| 60. | 17. | L. CAUDATA.—Arca minuta, *Mont.* (*not Fabric.*) *Test. Brit. p.* 140.—A. c., *Donov. Br. Shells, pl.* 78.—Nucula m., *Turt. Dith. Br.* 178; *Hanl. Biv.* 168.—N. rostrata, *Sow. Gen. f.* 5; *Macgil. Aberd. p.* 245.—L. c., *Loven, Ind. Moll. Skand.* 34; *Forb. and Hanl. Brit. Moll.* ii. 226. *pl.* 47. *f.* 11–13.—Lembulus sulcatus, *Leach, Moll. Brit. pl.* 12. *f.* 3, 4.—L. intermedia, *Oersted de Region. Marin.* 80 (*teste Torell.*). Britain. N. Europe. |
| 61, 62. | 16. | L. MINUTA.—Arca m., *Fabric. Fauna Groenl.* 414. *as of Müll. Prodr. Z. Danic.* 2985. (*indefinite*); *Gmel.* 3309.—A. m. Groenlandica, *Chemn. Conch.* x. 351, *f.* 1657,8.—Nucula parva, *Sow. C. I. no.* 12. *f.* 7; *Reeve, C. S. pl.* 85. *f.* 7; *Hanl. Biv.* 169. *pl.* 19. *f.* 52.—N. m., *Philip. Zeits. Mal.* 1844. *p.* 101.—L. m. *and* L. complanata, *Möller, Groenl.* 17.—Nuculana m., *Mörch, Prodr. Moll. Grönl.* Greenland. |
| 63, 64. | 15. | L. BUCCATA, *Steenstrup in Möller Moll. Groenl.* 17.—Nuculana b., *Mörch, Prodrom. Moll. Grönl.* (*name only*). Greenland. |
| 65, 66. | 22. | L. PELLA.—Arca p., *Linn. Syst. Nat.* (*ed.* 12.) 1141; *Hanl. Ipsa Lin. Conc.* 93.—A. interrupta, *Poli, Test. Sic.* ii. 136. *pl.* 25. *f.* 4, 5.—Nucula fabula, *Sow. C. I. no.* 18, *f.* 13; *Reeve, C. S. pl.* 85. *f.* 13; *Hanl. Biv.* 170. *pl.* 20. *f.* 6.—N. emarginata, *Phil.* (*as of Lam.*) *Moll. Sic.* i. *p.* 64. Mediterranean. |
| 67. | 25. | L. CHUVA, *Gray, Voy. Fly,* 360, *Marine Sh. pl.* 2. *f.* 3. Moreton Bay, Australia; Hobarton, Tasmania. |
| 68. | 36. | L. POLITA.—Nucula p., *Sow. Z. P.* 1832. *p.* 198; *C. I. f.* 11; *Müller, Syn.* 190; *Desh. ed. Lam.* vi. 507; *Reeve, C. S. pl.* 85. *f.* 11; *Hanl. Biv.* 169. *pl.* 19. *f.* 53. Panama. |
| 69. | 37. | L. CRASSA.—Nucula c., *Hinds, Z. P.* 1843. *p.* 99. Australia. |
| 70–72. | 29. | L. ELENENSIS.—Nucula E., *Sow. Z. P.* 1832. *p.* 198; *C. I. f.* 14; *Müller, Syn.* 191; *Reeve, C. S. pl.* 85. *f.* 14; *Hanl. Biv.* 169. *pl.* 19. *f.* 56.—L. E., *D'Orb. Am. Mér.* 545. Panama. |
| 73. | 23. | L. BICUSPIDATA.—Nucula b., *Gould, Proc. Bost.* ii. *and Bost. J. Nat. His.* 5. *p.* 292. *pl.* 24. *f.* 8.—N. Largillierti, *Philip. Zeits. Malak.* 1851. *p.* 87.—L. plicifera, *A. Adams, Z. P.* 1856. *p.* 50. Gabon. |
| 74. | 30. | L. BELLULA, *A. Adams, Z. P.* 1856. *p.* 49. Australia. |
| 75, 76. | 18. | L. LUGUBRIS, *A. Adams, Z. P.* 1856. *p.* 49. Hab.? |
| 77, 78. | 19. | L. INCONSPICUA, *A. Adams, Z. P.* 1856. *p.* 49. Australia. |
| 79. | 28. | L. GIBBOSA.—Nucula g., *Sow. Z. P.* 1832. *p.* 198; *C. I. f.* 9; *Müller, Syn.* 191; *Desh. ed. Lam.* vi. |

| Fig. | Sp. | |
|---|---|---|
| | | 508; *Reeve, C. S. pl.* 85. *f.* 9; *Hanl. Biv.* 169. *pl.* 19. *f.* 55.—L. g., *D'Orb. Am. Mér.* 545. Peru. |
| 80, 81. | 45. | L. COMMUTATA.—Arca pella, *Brug. (not Lin.) Vers*, 109.—Nucula p., *Lam. in part* (*not Museum types*). —N. c., *Philip. Zeitsch. Mal.* 1844. *p.* 101, *for* N. striata, *Phil. Moll. Sic.* i. 64. *and* N. minuta, ii. 46. Mediterranean. |
| 82, 83. | 35. | L. FASTIDIOSA, *A. Adams, Z. P.* 1856. *p.* 49. N. Zeal. |
| 84. | 24. | L. ROSTRATA.—Arca r., *Mont. (not Chemn. Brug. Ditlw.) Test. Brit. Suppl.* 55. *pl.* 27. *f.* 7; *Turt. Conch. Dict.* 11.—Nucula r., *Turt. (not Lam.) Dithyra Br.* 178; *Brown, Ill. Conch. B.* 84. *pl.* 33. *f.* 16; *Hanl. Biv.* 168. *pl.* 20. *f.* 1.—N. Montagui, *Gray, Ann. Philos.* xxv. (1825).—N. curvirostrum, *Humphreys, MSS. in Sow. C. I. no.* 7. *f.* 5; *Reeve, C. S. pl.* 85. *f.* 5.—N. recurva, *Conr. J. Nat. Sc. Philadel.* vi. *pl.* 11. *f.* 21; *Hanl. Biv. p.* 170. Guinea; Liberia. The *A. rostrata* of Montagu's predecessors is a synonym of *pernula*. |
| | 85. | 26. L. CONFUSA, *Hanl., for* Nucula pella, *Sowb.* (*not* Arca p., *Lin.*) *C. I. Nuc. f.* 6, *from which Reeve, C. S. pl.* 85. *f.* 6. Japan. Chinese Seas. |
| | 86. | 37. L. NASUTA.—Nucula n., *Sow. C. I. no.* 17. *f.* 12; *Reeve, C. S. pl.* 85. *f.* 12; *Hanl. Biv.* 170. *pl.* 19. *f.* 59 (*not well*). E. Indies. |
| | 87. | 13. L. TENUISULCATA.—Nucula t., *Couth. Bost. J. Nat. H.* ii. 64, *pl.* 3. *f.* 8; *Hanl. Biv.* 377. *pl.* 20. *f.* 17. —N. minuta, *Gould (not Fabric.) Mass.* 101; *Dekay, N. York Moll.* 181. N. America. |
| 88, 89. | 32. | L. VENTRICOSA.—Nucula v., *Hinds, Z. P.* 1843. *p.* 100; *Sul.* 64. *pl.* 18. *f.* 16. Straits of Malacca. |
| | 90. | 33. L. EBURNEA.—Nucula e., *Sow. Z. P.* 1832. *p.* 198; *C. I. f.* 10; *Müller, Syn. p.* 191; *Reeve, C. S. pl.* 85. *f.* 10; *Hanl. Biv.* 169. *pl.* 19. *f.* 57.—N. lyrata, *Hinds, Z. P.* 1843. *p.* 100; *Sul.* 64. *pl.* 18. *f.* 12.—L. e., *D'Orb. Am. Mér.* 546. Panama. Bay of Caracas. |
| | 91. | 34. L. FULGIDA, *A. Adams, Z. P.* 1856. *p.* 50. Port Essington. |
| 92, 93. | 40. | L. CUNEATA.—Nucula c., *Sow. Z. P.* 1832. *p.* 198; *C. I. f.* 15; *Hanl. Biv.* 169; *Müller, Syn. p.* 192; *Reeve, C. S. pl.* 85. *f.* 15.—Leda c., *D'Orb. Am. Mér.* 546.—L. inornata, *A. Adams, Z. P.* 1856, *p.* 48 (*from type*). Valparaiso. N. Guinea! (*Adams*). |
| | 94. | 39. L. PUELLATA.—Nucula p., *Hinds, Z. P.* 1843. *p.* 100; *Sul.* 64, *pl.* 18. *f.* 18. Malacca. |
| 95, 96. | 42. | L. CŒLATA.—Nucula c., *Hinds, Z. P.* 1843. *p.* 99; *Sul.* 64. *pl.* 18. *f.* 13 (*badly*). California. |
| 97, 98. | 41. | L. ORNATA, *D'Orb. Am. Mér.* 546. *pl.* 82. *f.* 4–6. Payta, Peru. |

## Plate IV.

| Fig. | Sp. | |
|---|---|---|
| 99. | 38. | L. Mauritiana.—Nucula m., *Sow. C. I. no.* 22. *f.* 17; *Reeve, C. S. pl.* 85. *f.* 17; *Hanl. Biv.* 170. Ceylon, China, Mauritius. |
| 100. | 43. | L. micans, *Adams, MSS. in coll. Cuming.* N. Zealand. |
| 101. | 44. | L. Conradi, *Hanl. Z. P.* 1860. Hab.? |
| 102. | 51. | L. Hindsii, *Hanl.*—N. crispa (*in part*), *Hinds, Z. P.* 1843. *p.* 100. Gulf of Nicoya? |
| 103. | 46. | L. reticulata.—Nucula r., *Hinds, Z. P.* 1843. *p.* 100; *Hanl. Biv.* 377. *pl.* 19. *f.* 48. Philippines. |
| 104, 105. | 52. | L. excavata.—Nucula e., *Hinds, Z. P.* 1843. *p.* 100; *Sul.* 64. *pl.* 18. *f.* 17. Panama. |
| 106. | 47. | L. Brookei, *Hanl. Z. P.* 1860. Borneo. |
| 107, 108. | 50. | L. crispa.—Nucula c., *Hinds, Z. P.* 1843. *p.* 100; *Sul.* 64. *pl.* 18. *f.* 14. Gulf of Nicoya. |
| 109–111. | 1. | N. decussata, *Sow. C. I. no.* 27. *f.* 18; *Hanl. Biv.* 171. *pl.* 20. *f.* 8; *Forbes and Hanl. Brit. Moll.* ii. 221. *pl.* 47. *f.* 1–3.—N. Polii, *Philip. Mol. Sic.* i. 63. *pl.* 5. *f.* 10.—N. sulcata, *Philip.* (*as of Bronn*) *Moll. Sic.* ii. *p.* 45. Britain. Mediterranean. |
| 112, 113. | 28. | N. convexa, *Sow. C. I. no.* 32. *f.* 22; *Hanl. Biv.* 172. *pl.* 20. *f.* 11.—N. tumida, *Hinds, Z. P.* 1843. *p.* 98; *Sul.* 63. *pl.* 18. *f.* 6 (*young*).—N. margaritacea, *A. Adams, Z. P.* 1856. *p.* 51. China (*Humphreys*). Straits of Malacca (*Hinds*). |
| 114. | 19. | N. mirabilis, *Adams and Reeve, Zool. Samarang, Moll.* 75. *pl.* 21. *f.* 8. Japan. |
| 115, 116. | 34. | N. inflata, *Hancock, Ann. Nat. H.* 1846. (*Nov.*) *p.* 333. *pl.* 5. *f.* 13, 14.—N. tenuis, *Möller, Moll. Groenl.* (*from type*).—N. obliquata, *Beck, teste Mörch.* Arctic Seas. |
| 117. | 24. | N. Cumingii, *Hinds, Z. P.* 1843. *p.* 97; *Sul.* 62. *pl.* 18. *f.* 1. Indian Archipelago. |
| 118, 119. | 8. | N. proxima, *Say, Journ. N. S. Philad.* ii. 270; *Conr. Amer. Mar. Conch. pl.* 6. *f.* 2; *Gould. Mas.* 103. *f.* 63; *Hanl. Biv.* 172. *pl.* 20. *f.* 5; *Dekay, N. York Moll.* 179. *pl.* 12. *f.* 215.—fry? N. radiata, *Dekay, New York Moll.* 179. *pl.* 12. *f.* 215. N. America. |
| 120. | 7. | N. nitida, *Sow. C. I. no.* 29. *f.* 10; *Hanl. Biv.* 171. *pl.* 19. *f.* 44; *Forbes and Hanl. Brit. Moll.* ii. 218. *pl.* 47. *f.* 9. Britain, etc. |
| 121, 122. | 2. | N. nucleus.—Arca n., *Linn. Syn. Nat. ed.* 12. *p.* 1143. *in part; Donov. Brit. Shells*, ii. *pl.* 63: *side figs.*—Glycimeris argentea, *Da Costa, Brit. Con.* 170, *in part, pl.* 15. *f.* 6, *on the right.*—N. margaritacea, *Lam. chiefly; Brown, Ill. Conch. G. B.* 85. *pl.* 33. *f.* 12; *Philip. Moll. Sic.* i. 64; ii. 45.—N. n., var. B., *Loven, Ind. Moll. Skandin.*—N. n., *Forbes and Hanl. Brit. Moll.* ii. 215. *pl.* 47. *f.* 7, 8. Britain. Europe. |
| 123, 124. | 4. | N. radiata.—Arca nucleus, *Turt. Conch. Dict.* 8. |

| Fig. | Sp. | |
|---|---|---|
| | | *f.* 1, 2.—N. n., *Turt. Dith. Brit.* 176. *pl.* 13. *f.* 9; *Brit. Mar. Conch.* 105. *f.* 74.—N. nuclea, *Flem. Brit. Anim.* 401.—N. margaritacea, *Sow. Gen. f.* 7; *Conch. Man. f.* 137.—N. r., *Forbes and Hanl. Brit. Moll. p.* 220. *pl.* 47. *f.* 4, 5; *pl.* 48. *f.* 7. Britain. S. Europe. |
| 125. | 26. | N. Strangei, *A. Adams, Z. P.* 1856. *p.* 52. N. Zeal. |
| 126. | 25. | N. Grayi, *D'Orb. Am. Mér.* 625 (*from type*) *for* N. obliqua, *Sow.* (*not Lam.*), *C. I. f.* 21. N. o., *Hanl. Biv.* 171. *pl.* 20. *f.* 9. Chili. |
| 127. | 12. | N. sulcata, *Adams, Z. P.* 1856. *p.* 53. N. Zealand. |
| 128. | 35. | N. Bellotii, *A. Adams, Z. P.* 1856. *p.* 51.—N. expansa, *Reeve, in Belcher's Last Arct. Voy.* 397. *pl.* 33. *f.* 2. Arctic Ocean. |
| 129. | 3. | N. striolata, *A. Adams, Z. P.* 1856. *p.* 52. Chinese Seas. |
| 130. | 5. | N. castanea, *A. Adams, Z. P.* 1856. *p.* 53. N. Zealand. |
| 131, 132. | 9. | N. paulula, *A. Adams, Z. P.* 1856. *p.* 52. Japan. |
| 133. | 14. | N. pisum, *Sow. Z. P.* 1832. *p.* 198; *C. I. f.* 23; *Müller, Syn.* 191; *Hanl. Biv.* 172. *pl.* 20. *f.* 12.—N. semiornata, *D'Orb. Am.* 624. *pl.* 84. *f.* 27–29 (*probably*). Valparaiso. Chili. |
| 134, 135. | 16. | N. crenulata, *A. Adams, Z. P.* 1860. *p.* 52. Guadaloupe. |
| 136. | 17. | N. exigua, *Sow. Z. P.* 1832. *p.* 198; *C. I. f.* 23, 24; *Müller, Syn.* 192; *Hanl. Biv.* 172. *pl.* 20. *f.* 13; *D'Orb. Am. Mér.* 625. Bay of Caracas. W. Columbia. |
| 137. | 27. | N. simplex, *A. Adams, Z. P.* 1856. *p.* 52. Sydney. |
| 138, 139. | 36. | N. delphinodonta. *Mighels, Bost. J. Nat. H.* iv. 40. *pl.* 4. *f.* 5; *Proc. Bost.* i.; *Hanl. Biv.* 377. *pl.* 20. *f.* 16. N. America. |
| 140, 141. | 33. | N. tenuis.—Arca t., *Mont. Test. Brit. Suppl.* 56. *pl.* 29. *f.* 1; *Turt. Conch. Dict.* 11.—N. t., *Turt. Dith. Brit.* 177; *Forbes and Hanl. Brit. Moll.* ii. 223. *pl.* 47. *f.* 6. Britain. W. Europe. |
| 142. | 6. | N. nitidula, *A. Adams, Z. P.* 1856. *p.* 51. N. Zeal. |
| 143. | 32. | N. M'Andræi, *Hanl. Z. P.* 1860. Tunis. |

## Plate V.

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| 144. | 10. | N. mitralis, *Hinds, Z. P.* 1843. *p.* 97; *Sul.* 62. *pl.* 18. *f.* 2.—N. gibba, *A. Adams, Z. P.* 1856. *p.* 52. Straits of Malacca (*Hinds*). Australia (*Strange*). |
| 145. | 11. | N. marmorea, *Hinds, Z. P.* 1843. *p.* 98; *Sul.* 63. *pl.* 18. *f.* 7. Straits of Malacca. |
| 146. | 13. | N. pulchra, *Hinds, Z. P.* 1843. *p.* 97; *Sul.* 62. *pl.* 18. *f.* 3. L'Agulhas Bank, Cape G. Hope, 70 fath. |
| 147. | 15. | N. declivis, *Hinds, Z. P.* 1843. *p.* 98; *Sul.* 63. *pl.* 18. *f.* 8. Hab.? |

Fig. Sp.

148. 18. N. CASTRENSIS, *Hinds, Z. P.* 1843. *p.* 98 ; *Sul.* 63. *pl.* 18. *f.* 5 ; *Middend. Malac. Ross.* iii. 28. Sitka, N. W. America.

149. 22. N. PUELCHA, *D'Orb. Am. Mér.* 624. *pl.* 84. *f.* 24–6. San Blas, N. Patagonia.

150. 23. N. OBLIQUA, *Lam. Anim. s. Vert.* vi. *pt.* 1. *p.* 59, *teste Chenu, Manuel Conch.* ii. *f.* . Australia.

151. 20. N. DIVARICATA, *Hinds, Z. P.* 1843. *p.* 97 ; *Sul.* 62. *pl.* 18. *f.* 4. Chinese Seas, in 84 fathoms.

152. 21. N. MALABARICA, *Hanl. Z. P.* 1860. Cochin, Malabar.

153. 30. N. LAYARDI, *A. Adams, Z. P.* 1856. *p.* 51. Ceylon.

154. 31. N. ÆGEENSIS, *Forbes, Report Brit. Assoc.* 1843. *p.* 192. Macri and Crete, in deep water.

155. 29. N. ANTIPODUM, *Hanl. Z. P.* 1860. Australia (Mus. Taylor and Hanley).

156. (p. 163) "N. NANA, *Hinds*" (supposed type) = delphinodonta.

157, 158. (p. 166) N. CORTICATA (types in Brit. Mus.), *Möller, Groenl. Moll. p.* 17. Greenland.

159. 2. N. NUCLEUS, *Linn.*—Variety.

160, 161. 16. N. PAYTENSIS, *A. Adams, Z. P.* 1856. *p.* 51.

162. (p. 140) L. (Y.) GOULDII, *Dekay, N. York Moll. p.* 180. *f.* 221 (*as* Nucula G.).

163. (p. 141) L. (Y.) OBESA, *Stimpson, Shells N. England, p.* 10. *pl.* 2. *f.* 1 (*as* Leda o.).

164. 64. L. (Y.) EIGHTSII.—Nucula E., *Couth. MSS. in Jay Cat. Shells, pl.* 1. *f.* 12, 13 ; *Hanl. Biv.* 169. *pl.* 20. *f.* 2. S. Shetland Isles.

165, 166. 73. L. SULCIFERA.—Nucula s., *Reeve in Belcher's Last Arct. Voy.* 397. *pl.* 33. *f.* 1.

167. 72. L. (P.) ABYSSICOLA.—Yoldia a., *Torell, Spilzber. Moll.* 149. *pl.* 1. *f.* 4. Spitzbergen.

168, 169. 67. L. (Y.) FRIGIDA.—Yoldia f., *Torell, Spitz. Moll.* 148. *pl.* 1. *f.* 3. Spitzbergen.

170. 48. L. VITREA, *D'Orb. Moll. Cuba*, i. 262. *pl.* 26. *f.* 27–9. W. Indies.

171. 31. L. FRAGILIS.—Arca f., *Chemn. Conch.* vii. 165. *f.* 546, *from which* A. pella, *Gmel.* (*not Linn.*) 3307.—Nucula striata, *Sow. C. I. n.* 21. *f.* 16 (*not* striata *of Phil. or King*) ; *Reeve, C. S. pl.* 85. *f.* 16 ; *Hanl. Biv.* 170. *pl.* 19. *f.* 60. China.

172. 42. L. CÆLATA, VAR., *Hinds.*

173. 49. L. JAMAICENSIS, *D'Orb. Moll. Cub.* 263. *pl.* 24. *f.* 30–2. W. Indies.

174. 15. L. BUCCATA, VAR., *Sleenstrup.*

175. (p. 167) L. RECTA.—Nucula r., *Hinds, Z. P.* 1843. *p.* 100 ; *Sul.* 64. *pl.* 18. *f.* 15.

176. (p. 166) L. EBOREA.—Nucula e., *Cour. Proc. Philadelph.* iii. 24. *pl.* 1. *f.* 4. Florida.

177. (p. 129) L. SULCULATA, *Couthouy, MS. in Gould's Zool. U. S. Explor. Exped.* 425. *f.* 539.

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# NUCULIDÆ III.

*Thes. Pl 228.*

# NUCULIDÆ IV.

*Thes. Pl. 229.*

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## HARPA.—Plate I., II., III.

(With two exceptions, the specimens are in Mr. Cuming's collection.)

Fig.

1–3. NOBILIS, 3, *Rumph., Mart.* Ticao, Philippines.

4–5. COSTATA, 1, *Linn.* (Buccinum).—H. imperialis, *Lamk.*—H.
(& 23.) multicostata, *Sowb.*—"Lyra Davidis," *Mart.* Mauritius.

6–8. ROSEA, 8, *Klein, Lamk.*—H. nobilis-rosacea, *Mart.* Senegal and west coast of Africa.

9–11. ARTICULARIS, 5, *Lamk.* Philippines, Moluccas.

12, 13. RIVOLIANA, 7, *Lesson.*—H. crenata, *Sw.* Acapulco.

14–17. NABLIUM, 4, *Mart.* (Buccinum).—H. antiquata, *Chemn.*
(& 24.) —Young, f. 24, H. striatulum, *A. Ad.* Ceylon, Philippines.

18–22. VENTRICOSA, 2, *Lamk.*—Young, H. striata, *Lamk.*, f. 25.
(& 25.) —H. Cabritii, *Bernardi.* Mauritius.

23. COSTATA, young, see f. 45.

24. NABLIUM, young, see f. 14–17.

25. VENTRICOSA, young, see f. 18–22.

26. CANCELLATA, 6, *Chemn.* Mr. Hanley's specimen.

27–29. MINOR, 9, *Rumph., Mart.*, Var. f. 27. H. oblonga, *Schum.* Philippines, Madagascar.

30, 31. CRASSA, 10, *Mörch.*—H. solida, *A. Ad.* Philippines, etc.

32, 33. GRACILIS, 11, *Brod.* Society Islands.

34, 35. VIRGINALIS, 12, *J. Gray, MS.* The specimen belongs to J. Gray, Esq., of Glasgow.

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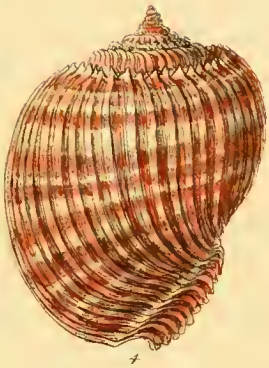
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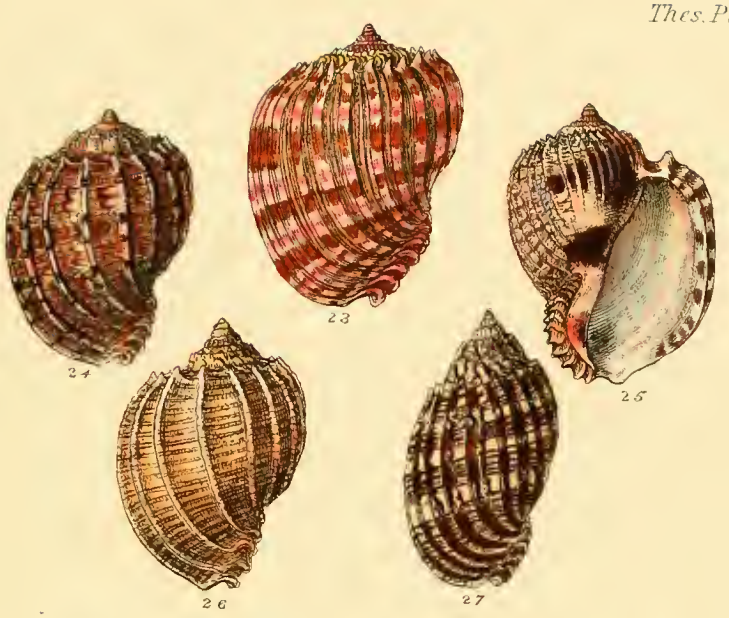
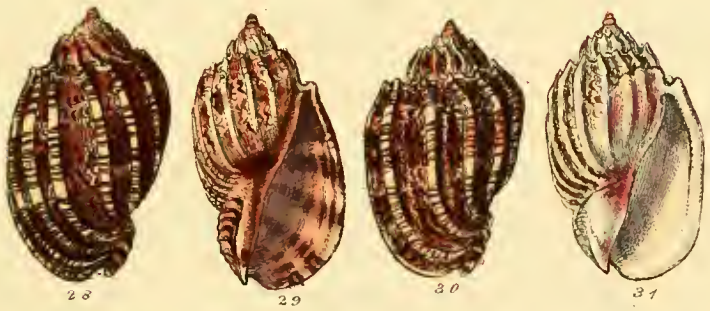
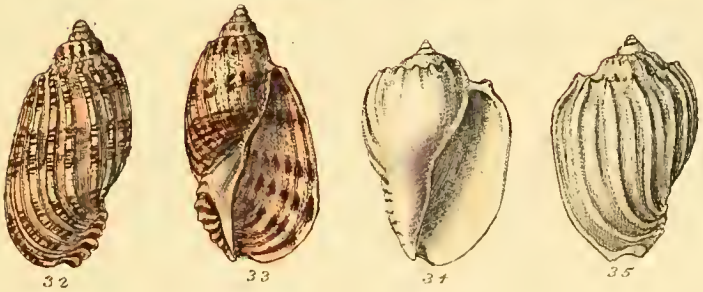
# HARPA III.

*Thes. Pl. 233.*



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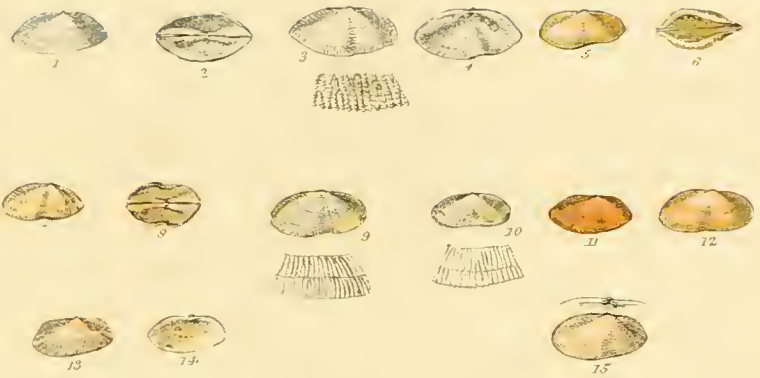

SCINTILLA.

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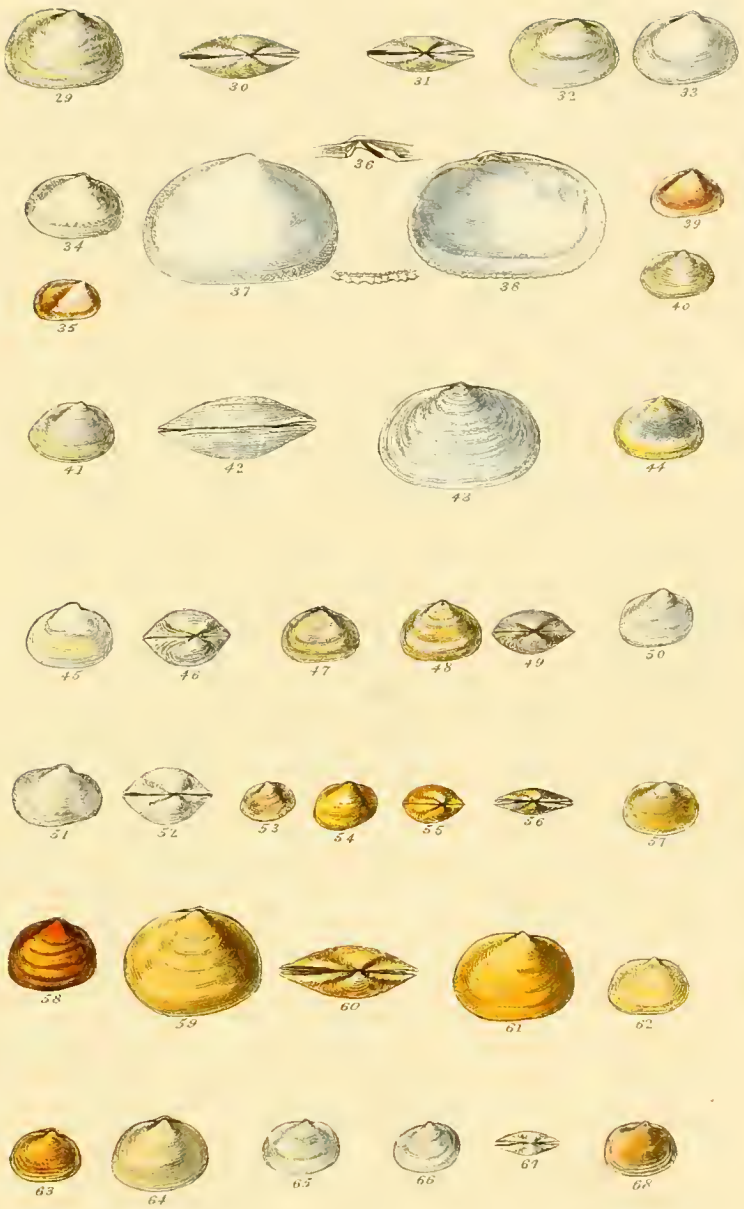
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# FISSURELLA.—Plate I.

(From Mr. Cuming's collection, unless otherwise indicated.)

Fig.

1, 2, 3. BIRADIATA, 10, *Frembly, Sowb.*, C. Ill., f. 52, var. f. 3, F. galericulum, *Rve.* Valparaiso.

4. CONCINNA, 23, *Phil.*, Abbild. Fiss., tab. ii. f. 5.—F. (178, 206) Hondurasensis, *Rve.*, Chili, Honduras, f. 206, is Mr. Hanley's specimen.

5. CUMINGII, 25, *Rve.* Fiss., 17, Chili.—F. 132 is Mr. (132) Hanley's specimen.

6, 7. LATIMARGINATA, 9, *Sowb.*, Z. P., 1834, C. Ill., f. 62. (12) Valparaiso and Iquiqui.

8, 9. MAXIMA, 22, *Sowb.*, Z. P. 1834, C. Ill., f. 18. Valparaiso. F. 9, orifice nearly closed.

10, 11. PICTA, 20, *Gmel., Lamk.* Straits of Magelhaens. Var. (35) f. 35, Darwinii, *Rve.* Falkland Island.

12. LATIMARGINATA. See 6, 7.

13. LATA, 26, *Sowb.*, Z. P., 1834, C. Ill., f. 67. Var. F. rudis, *Desh.* Chili.

14. NIGRA, 1, *Lesueur*, Voy. de la Coq. F. grandis, *Sowb.* C. Ill. Var. F. violacea, *Escholtz.*

15. COSTATA, 27, *Lesueur*, Voy. de la Coq. F. Chilensis, (205) *Sowb.*, C. Ill. Valparaiso. Fig. 205. Specimen G. B. S.

# FISSURELLA I.

*Thes Pl. 236*

## FISSURELLA.—Plate II.

Fig.

16, 17. CRASSA, 6, *Lamk.* Valparaiso.

18. CRENULATA, 123, *Sowb.*, T. Cat., C. Ill. 31. Monterey, Upper California.

19, 20. ORIENS, 19, *Sowb.*, Z. P., 1834, C. Ill., f. 25. Valparaiso.

21, 22. BRIDGESII, 3, *Rve.*, Fiss. 16. Chili, Peru, *Bridges.*
(34)

23, 24. LIMBATA, 2, *Sowb.*, Z. P., 1843, C. Ill. 42, 74. Valparaiso, *Cum.*

25. BELLA, 8, *Rve.*, Fiss. 21. Cape Horn, *Darwin.*

26, 27, MEXICANA, 15, *Sowb.*, C. Ill., f. 61. Real Llejos.
28. (78) Mexico. Var. f. 78. Port Praya.

29. (FISSURELLIDEA) CHEMNITZII, 2, *Sowb.*, Z. P. 1834.
(192) W. Africa.

30. PHILIPPIANA, 16, *Rve.*, C. Ill. Fiss. 37 (nigra, by error.) F. nigra, *Ph.*, name pre-occupied. Chili.

31. PULCHRA, 7, *Sowb.*, C. Ill. 24, Z. P. 1834. Valparaiso, *Cum.*

32. EXQUISITA, 18, *Rve.*, C. Ill., Fiss. 74. Straits of Ma-
(128) gelhaens.

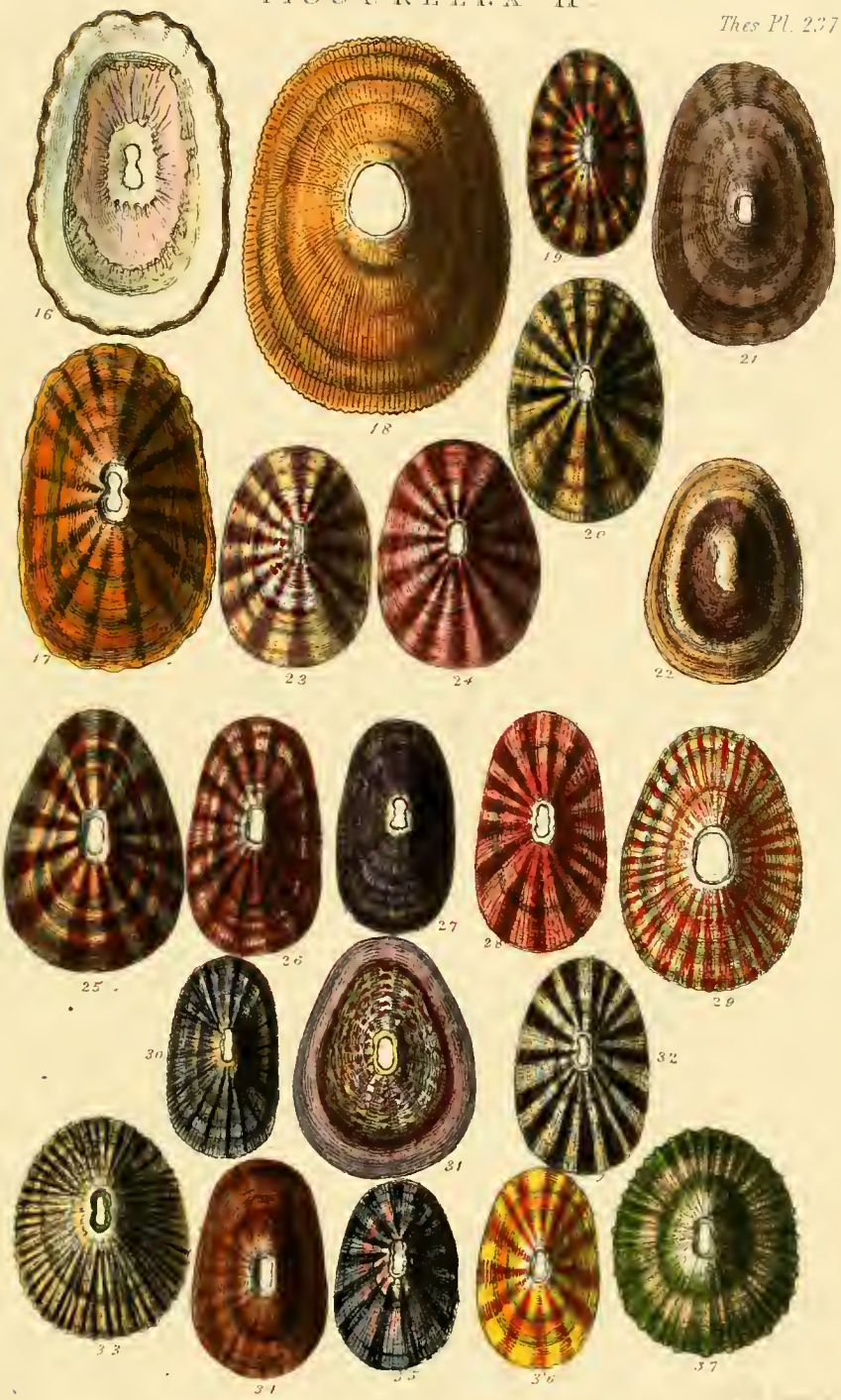
33. NIGRO-PUNCTATA, 28, *Sowb.*, Z. P., 1834. Galapagos and Lobos Island. *Cum.*

34. BRIDGESII. See f. 21.

35. PICTA, var. DARWINII. See f. 10, 11.

36. FULVESCENS, 4, *Sowb.*, Z. P., 1834, C. Ill. 49. Valparaiso, *Cum.*

37. VIRESCENS, 30, *Sowb.*, Z. P., 1834, C. Ill. 37. Panama, *Cum.*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## FISSURELLA.—Plate III.

Fig.

38, 39. Peruviana, 11, *Lamk.* Valparaiso and Iquiqui, Peru.
40, 41. H. Cuming.

42. affinis, 12, *Gray, Sowb.*, C. Ill., f. 44. Peru.
(179)

43, 44. alabastrites, 33, *Rve.*, C. Ill., Fiss. 27. Cape de Verd Islands.

45. glaucopis, 34, *Rve.*, C. Ill., Fiss. 28. Cape de Verd Island.

46, 47. rugosa, 41, *Sowb.*, C. Ill., f. 56. W. Indies.

48. radiata, 40, *Lamk.* Var. f. 48. F. compressa, *Rve.*
(50) Fiss. 60. Barbadoes.

49. Barbadensis, 39, *Gmel.*, Patella. Var. f. 49. F.
(144–146) Editia, *Rve.* Barbadoes.

50. See 48.

51. conoides, 37, *Rve.*, C. Ill., Fiss. Cape of Good Hope.

52, 53. varicosa, 67, *Sowb.* G. B., 2. China Seas.

54, 55. microtrema, 43, *Sowb.*, Z. P., 1834, C. Ill. 50. Real Llejos, Central America.

56. asperella, 42, *Sowb.*, Z. P., 1834, C. Ill. 71. Lobos Island.

57, 58. tegula, 96, *Rve.*, Fiss. f. 122. Hab. ——?

59. nodosa, 35, *Born.* (Patella), P. spinosa *and* P. Jamaicensis, *Gmel.* W. Indies.

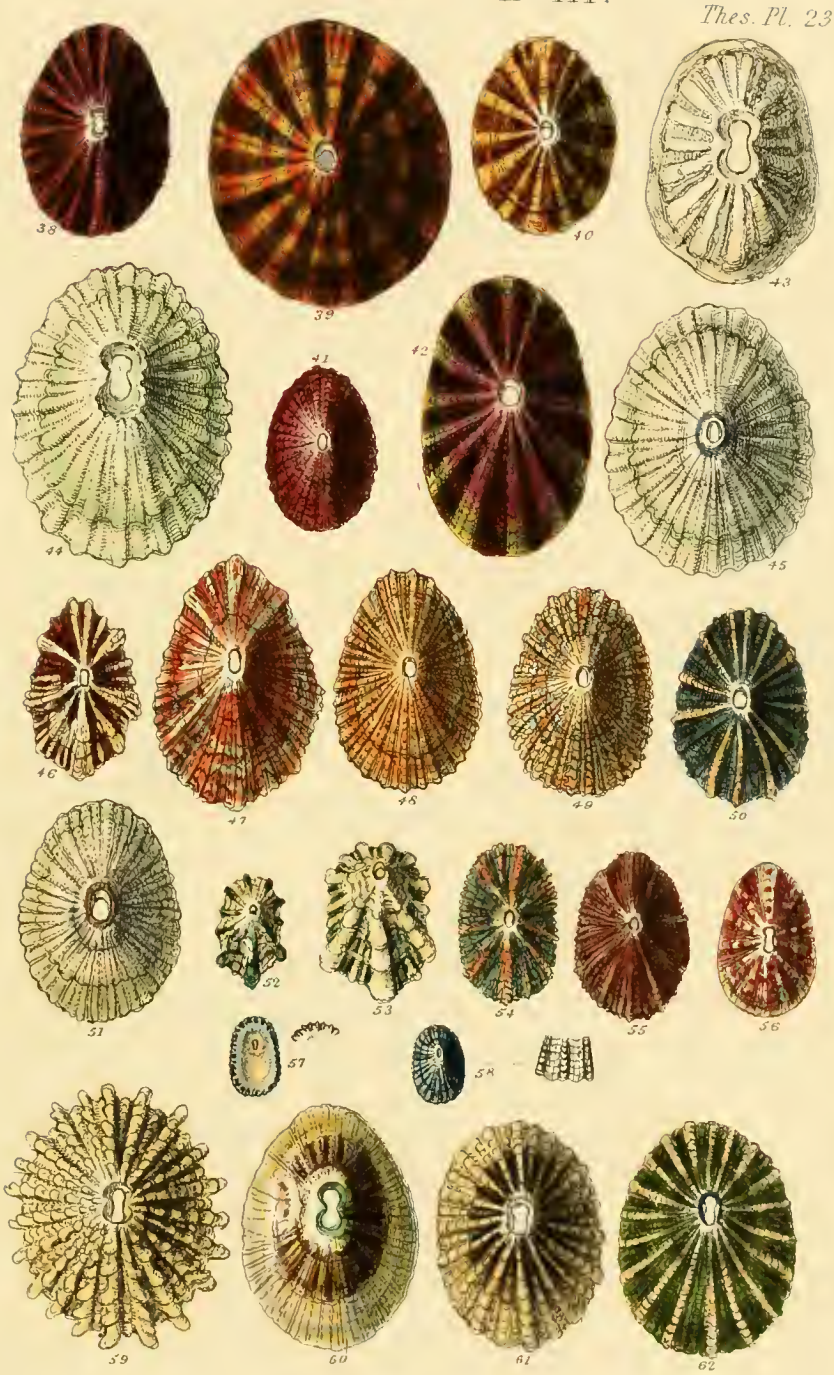
60. coarctata, 29, *King*, Zool. Jour., *Sowb.*, C. Ill. 22. Port Praya.

61. Humphreyi, 36, *Rve.*, Fiss. 85. Cape de Verd Islands.

62. viridula, 95, *Lamk.* Trinidad, Antigua, etc.

# FISSURELLA III.

*Thes. Pl. 238*



# FISSURELLA.—Plate IV.

Fig.

63. CLYPEUS, 13, *Sowb.*, Z. P., 1834, C. Ill., f. 77. St. Elena, W. Columbia.

64, 65. NIGROCINCTA, 55, *Carpenter*. California.

66. LONGIFISSA, 53, *Sowb.*, G. B., 2, macrotrema, var., *Sowb.*, C. I.

67. TENEBROSA, 56, *Sowb.*, G. B. 2. California.

68. MURICATA, 14, *Rve.*, Fiss., 103. Hab. ——?

69. NATALENSIS, 44, *Krauss*, Südafr. Moll., pl. 4, f. 8. Port Natal.

70. MUTABILIS, 48, *Sowb.*, Z. P., C. Ill., 67, 70. Cape
(74, 79, 93) of Good Hope. Matzallam.

71. ATRATA, 17, *Rve.*, F. nigra, *Phil.* (pre-occupied). Chili.

72. ROTA, 51, *Rve.*, C. Ill., 79. Cape of Good Hope.

73. NUBECULA, 45, *Linné*. Mediterranean.

74. See 70.

75, 76. OBTUSA, 38, *Sowb.*, C. Ill., f. 59. Cape of Good Hope.

77. TÆNIATA, 50, *Sowb.*, G. B., 2. Cape de Verd Islands.

78. MEXICANA, var. See f. 26.

79. See 70.

80. OBSCURA, 54, *Sowb.*, Z. P., 1834, C. Ill., 50. Real Llejos. *Cum.*

81. CATILLUS, 49, *Rve.*, C. Ill., 91. Java.

82. STELLATA, 24, *Rve.*, C. Ill., Fiss. 80. Valparaiso.

83. SAGITTATA, 122, *Rve.*, Fissurella. Hab. ——?

84. OSTRINA, 47, *Rve.*, C. Ill., Fiss. 106. Hab ——?

85. GRISEA, 5, *Rve.*, C. Ill., Fiss. 38. Hab ——?

86. MACROTREMA, *Sowb.*, Z. P., 1834, C. Ill., f. 41. Gala-
(90) pagos Islands.

87. VOLCANO, 59, *Rve.*, C. Ill., Fiss. 2. California.

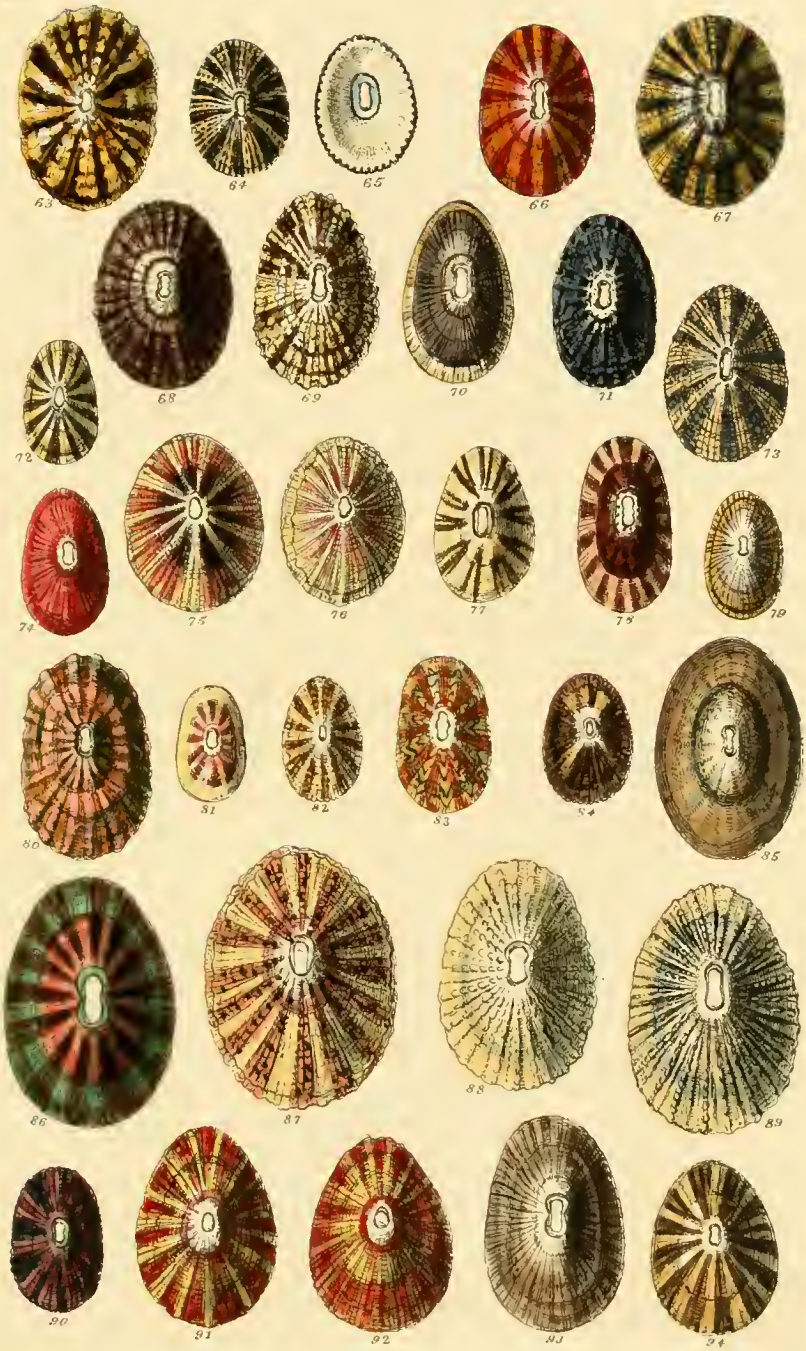
88, 89. ALBA, 32, *Carpenter*. California.

90. See 86.

91, 92. ROSEA, 46, *Lamk.* Hayti.
(150)

93. See 70.

94. BALANOIDES, 57, *Rve.*, C. Ill., Fiss. 66. Hab. ——?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## FISSURELLA.—Plate V.

Fig.

95, 96, 97. FUMATA, 89, *Rve.*, C. Ill., Fiss. 63. W. Indies.

98, 99. ALTERNATA, 90, *Say.*, Gould. Hab. ——?

100. FUNICULATA, 84, *Rve.*, C. Ill., Fiss. 65, var., 100.
(129) F. dactylosa, *Rve.* Kurrachee, mouth of Indus.

101. CAYENNENSIS, 94, *Lamk.* Cayenne, Guinea.

102–3–4. LARVÆ, 87, *Rve.*, 98. Island of St. John, W. Indies.

105, 106. DYSONI, 88, *Rve.*, C. Ill., 86. Honduras. Dyson.

107, 108. RUPELLII, 91, *Sowb.*, Z. P., 1834, C. Ill., 65. Red Sea. Var. F. quadriradiata, *Rve.*, Fiss. 108?

109. VENUSTA, 82, *Rve.*, C. Ill., Fiss. 90. China Seas.

110. TICAONICA, 92, *Rve.*, C. Ill., Fiss. 107. Ticao, Philippines.

111. TENUISTRIATA, 101, *Sowb.*, G. B., 2. Hab. ——?

112. RETICULATA, 75, *Donov.* Patella Græca, *Penn.* F. camellata, *Gray.* F. Europæa, *Sowb.*

113. GIBBERULA, 104, *Lamk.* Mediterranean.

114. GIBBA, 103, *Philippi.* F. candida, *Sowb.* Philip-
(168) piane, *Dunker.* Mediterranean.

115, 116. PROXIMA, 93, *Sowb.*, G. B., 2. Australia.

117. COSTARIA, 76, *Desh.* Great Britain, Mediterranean.

118, 119. SINGAPORENSIS, 77, *Rve.*, Fiss. 100. Singapore.

120, 121. PILEOPSIDES, 102, *Rve.*, Fiss. 99. Island of Masbate, Philippines.

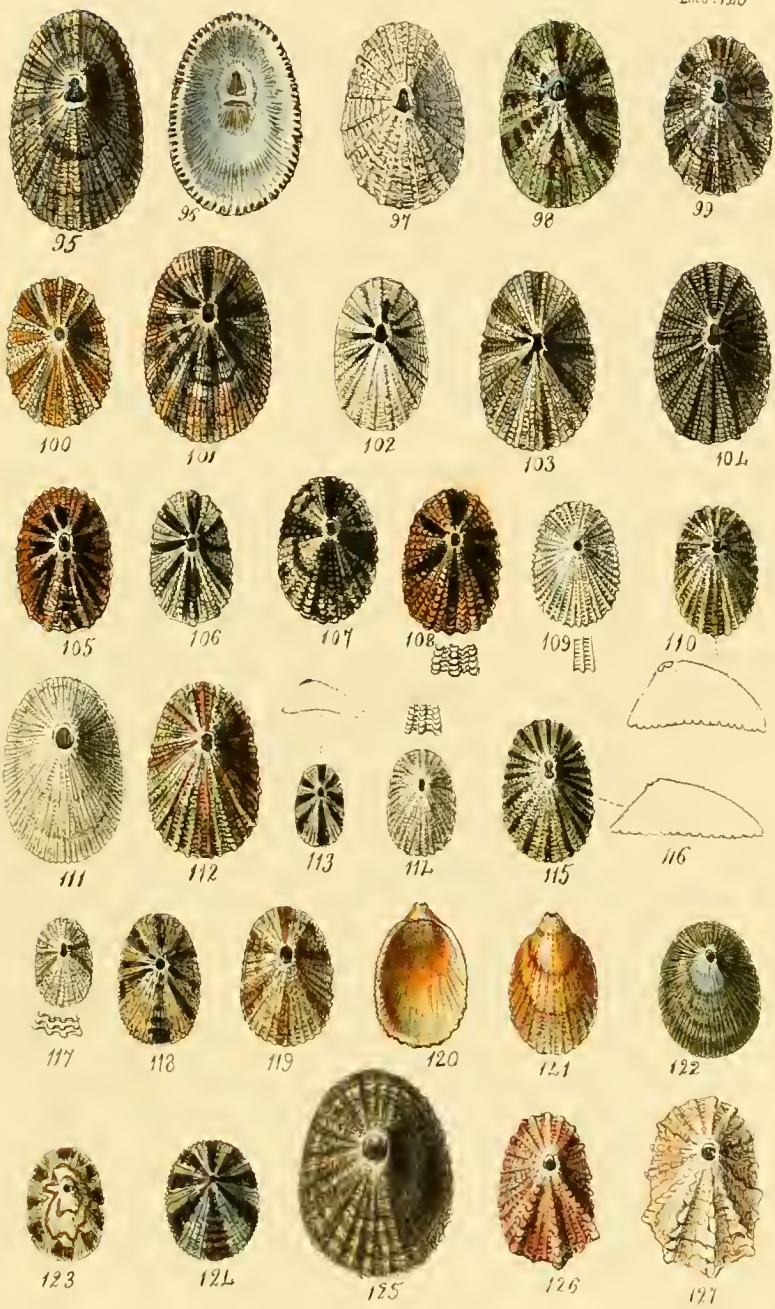
122. DIGITALE, 100, *Rve.*, Fiss. 92. Hab. ——?

123. PANAMAENSIS, 86, *Sowb.*, Z. P., C. Ill., 72. Panama.

124. LIMA, 99, *Sowb.*, G. B., 2. Bombay.

125. ASPERA, 98, *Sowb.*, Z. P., 1834, C. Ill., 46. Pascomayo, Peru.

126, 127. CALYCULATA, 66, *Sowb.*, Gen. of shells. Hab. ——?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## FISSURELLA.—Plate VI.

Fig.

128. EXQUISITA, 18, *Rve.* See 32.

129. FUNICULATA, 84, *Rve.* See 100.

130, 131. LISTERI, 73, *D'Orb.*, F. Græca, nonnull. W. Indies.

132. CUMINGII. See f. 5. Mr. Hanley's specimen.

133. LINCOLNI, 97, *Gray, Sowb.*, C. Ill., f. 14. Monterey, California.

134, 135. LINEATA, 80, *Sowb.*, C. Ill., 68. Incei *and* Indusica? *Rve.*, Fiss. 69. Rain's Island, N. Australia.

136. NIMBOSA, 58, *Linn.* (Patella). Venezuela. *Dyson.*

137. Inserted by error.

138. SIEBOLDII, 65, *Rve.*, C. Ill., sp. 102. Japan. Dr. *Siebold.*

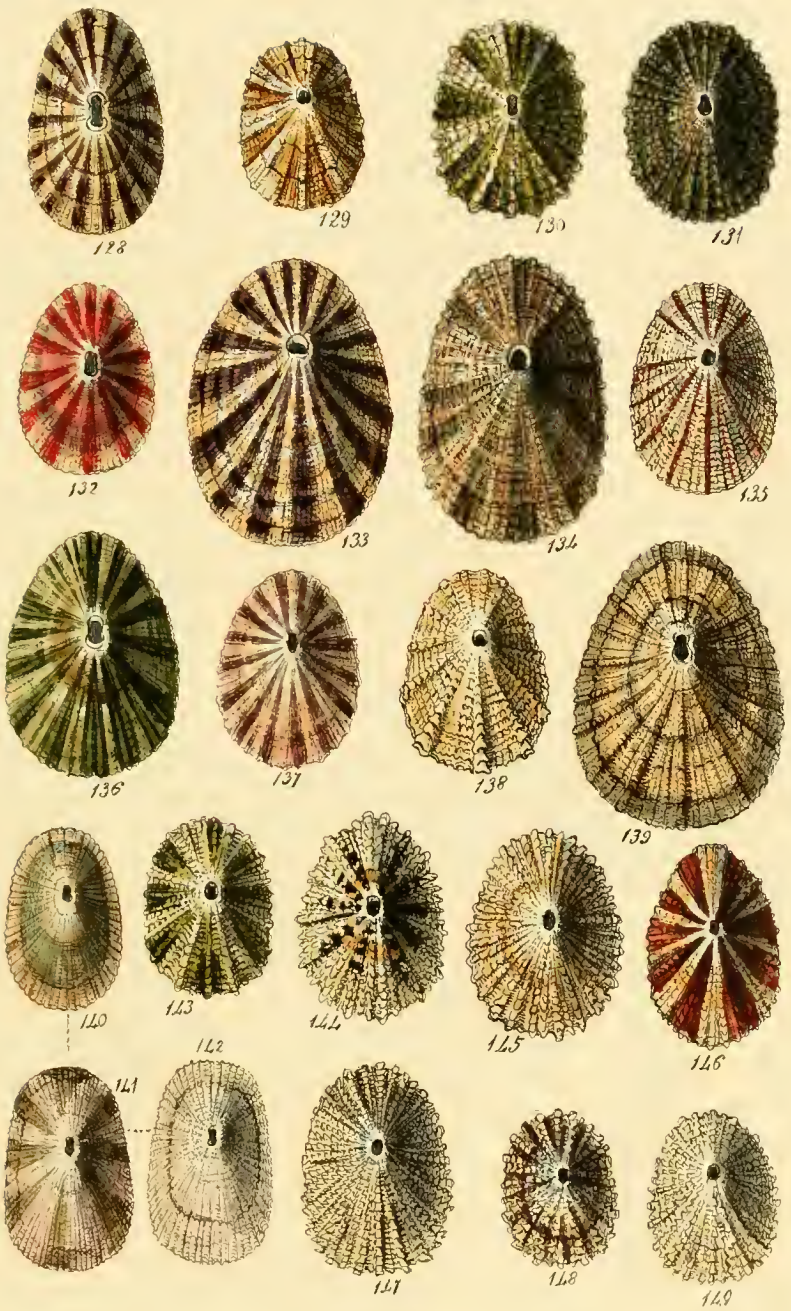
139. NEGLECTA, 60, *Desh.*, E. M. F. Mediterranea, *Gray.* Mediterranean.

140–1–2. METCALFEI, 61, *Rve.*, C. Ill., 75. Viminea, *Rve.*, 105. St. Vincent's.

143. SIMILIS, 74, *Sowb.*, G. B., 2. Australia.

144–5–6. BARBADENSIS, 39. See f. 49.

147–8–9. JUKESII, 64, *Rve.*, C. Ill., 45; fimbriata, *Rve.*, 104. Australia.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## FISSURELLIDÆ.—Plate VII.

Fig.

150. ROSEA, var. See f. 91, 92.

152, 153. CYATHULUM, 71, *Rve.*, Fiss. 114. Hab. ——?

154–5–6. EXCELSA, 68, *Rve.*, Fiss. 113. Alta, *C. B. Adams.* Panama.

157. DENSICLATHRATA, 81, *Rve.*, Fiss. 64. Hab. ——?

158. AUSTRALIS, 79, *Krauss*, Südafr. p. 67, t. 4, f. 10. Australia.

159. OCTAGONA, 70, *Rve.*, Fiss. 117. Ticao, Phil., *Cuming.*

160, 161. NIGRO-OCELLATA, 69, *Rve.*, Fiss. 117. Ticao, Philippines.

162. IMBRICATA, 72, *Sowb.*, G. B., 2. Red Sea.

163–4. ARCUATA, 106, *Sowb.*, G. B., 2. Isl. of St. Thomas.

165. GRANIFERA, 105, *Pease.* Sandwich Islands.

166. BOMBAYANA, 83, *Sowb.*, G. B., 2. Bombay.

167. NIGRIRADIATA, 85, *Rve.*, Fiss. 87. Hab. ——?

168. GIBBA, var. See f. 114. Mr. Hanley's specimen.

169. MINUTA, 107, *Lamk.*, *Sowb.*, C. Ill., Fiss. 16; gemmulata, *Rve.*

170, 171. ANGUSTATA, 109, *Sowb.*, G. B., 2. Hab. ——?

172, 173. VARIEGATA, 108, *Sowb.*, G. B., 2. Isle of St. Thomas.

174. HANLEYANA, 124, *Sowb.*, G. B. 2. Hab. ——? Mr. Hanley's specimen.

175. MONILIFERA, 31, *Sowb.*, G. B., 2. Hab. ——? Mr. Hanley's specimen.

176. ARTICULATA, 114, *Sowb.*, G. B., 2. Hab. ——? Mr. Hanley's specimen.

177. POLYGONA, 21, *Sowb.*, G. B., 2. Falkland Islands.

178. CONCINNA. See f. 4.

179. PERUVIANA. See f. 38.

180. CORBICULA, 112, *Sowb.*, G. B., 2. Australia.

181. PICA, 110, *Sowb.*, Z. P., 1834, C. Ill., 32. West Columbia.

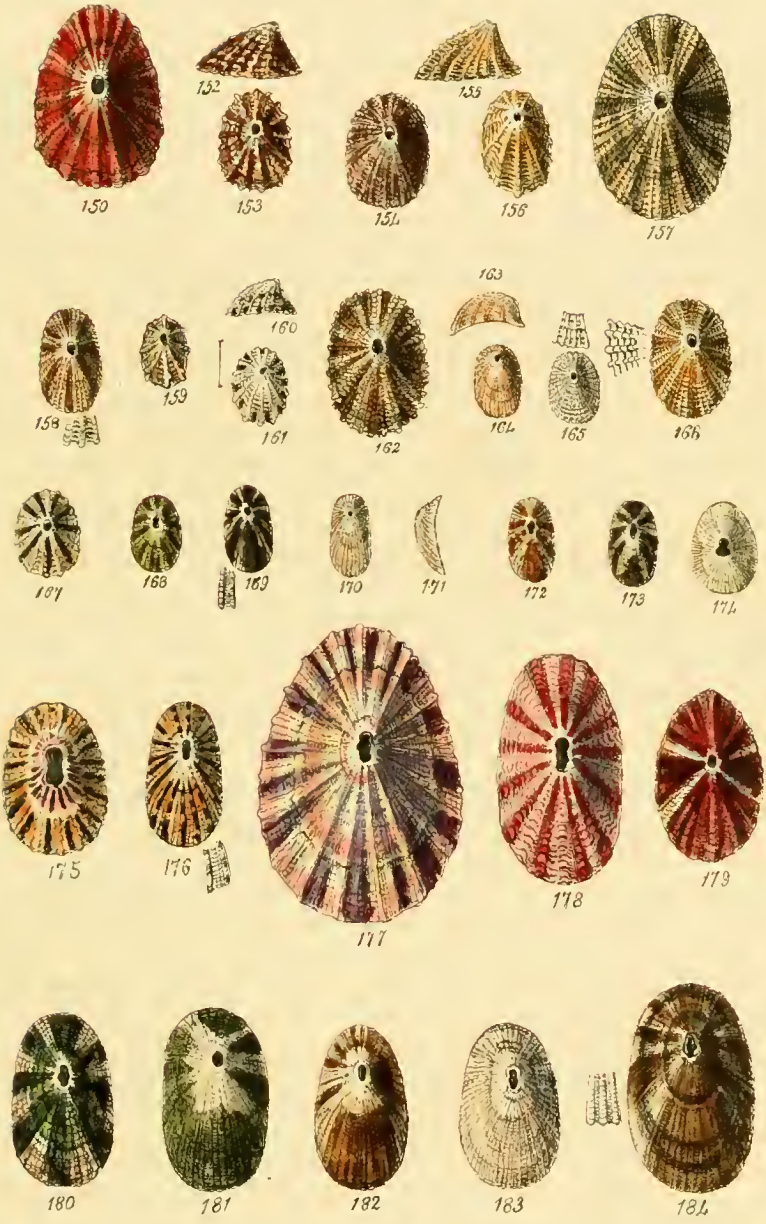
182. LANCEOLATA, 113, *Sowb.*, G. B., 2. Moreton Bay.

183, 184. INÆQUALIS, 111, *Sowb.*, Z. P., 1834, C. Ill., 45. Galapagos Islands.

nat. diam.

# FISSURELLA. VIII

Thes. Pl. 212




G.B. Sowerby

## FISSURELLIDÆ.—Plate VIII.

*Fissurella, Fissurellidea, and Macrochisma.*

Fig.

185. ELONGATA, 117, *Philippi*, Abbild., Fiss. pl. 1, f. 2. Hab. ——?

186. ACULEATA, 121, *Rve.*, Fiss. 111. Hab. ——?

187, 189. CANCELLATA, 115, *Solander*, (Patella), var. f. 187, suffusa, *Rve.* var. F. adspersa, *Ph.*, Abbild. 1, f. 13? St. Vincent's, Honduras Bay, Guadaloupe, California.

188. ÆGIS, 116, *Rve.* Hab. ——?

190. LENTIGINOSA, 119, *Rve.*, Fiss. 97. Hab. ——?

191. CRUCIATA, 118, *Krauss*, Südaf., pl. 4, f. 9. Natal.

192. CHEMNITZII (Fissurellidea), 2, *Sowb.*, Z. P., C. Ill., f. 55. (29) W. Africa.

193–4–5. HIANTULA (Fissurellidea), 1, *Lamk.* F. Jamaicensis, *Sowb.*, not *Lamk.* Cape of Good Hope.

196. NIGRITA (Fissurellidea), 7, *Sowb.*, Z. P., C. Ill., f. 56. Tasmania.

197. SELLA (Fissurellidea), 5, *Sowb.*, G. B., 2. S. Africa. Mr. Hanley's specimen.

198. HIATULA (Machr.), 8. *Swains.* Man. Con.

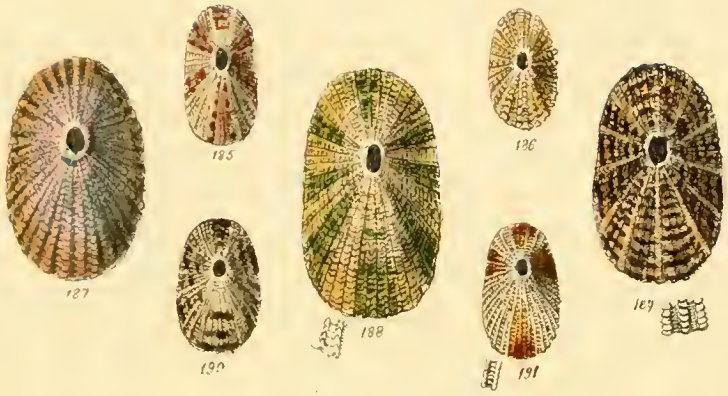
199. INCARNATA (Fissurellidea), 4, *Krauss*, Südaf. t. 4, f. 7. S. Africa. Mr. Hanley's specimen.

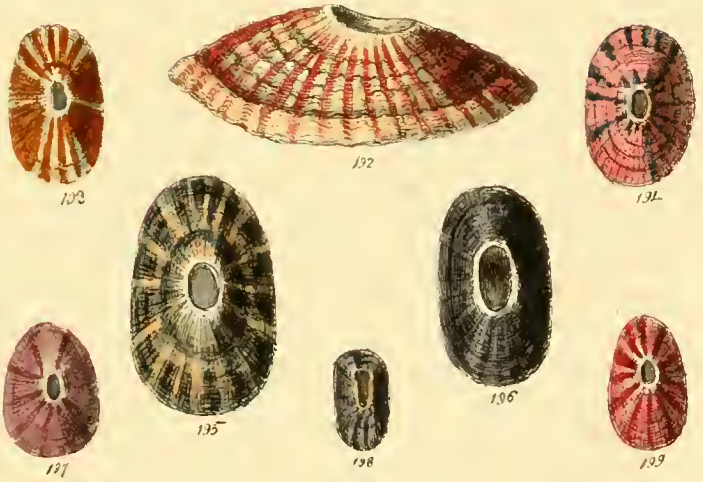
200. ÆQUALIS (Fissurellidea), 10, *Sowb.*, Z. P., C. Ill., f. 56. St. Eleua, W. Columbia.

201. COMPLANATA (Fissurellidea), 8, *Sowb.*, G. B., 2. E. Coast of Africa.

202, 203. FLORESCENS (Fissurellidea), 3, *Sowb.*, G. B., 2. Hab. ——? Mr. Hanley's specimen.

204. LIMATULA (Fissurellidea), 9, *Rve.* Hab. ——?





## FISSURELLIDÆ.—Plate IX.

*Fissurella, Fissurellidea, Clypidella, Macrochisma, and Pupillæa.*

Fig.

205. COSTATA. See f. 15. Our own specimen reduced.

206. CONCINNA. See f. 4 and 178. Mr. Hanley's specimen reduced.

207. SCUTELLA, Fissurellidea, 6. *Gray*, B. M. Sowb., C. Ill., f. 34. F. trapezium, *Sowb.* Z. J. Rain's Island, Torres Straits.

208. DUBIA, 63, *Rve.*, Fiss. 35. Port Natal.

209, 210, 211. PUSTULA, Clyp. 1, *Lamk.* W. Indies.

212, 213, 214. FASCICULARIS, Clyp. 2, *Lamk.* W. Indies.

215. SUBROSTRATA, 62, *Guild.*, *Sowb.*, C. Ill., 35. Salebrosa, *Rve.*, Fiss. 78. Kurrachee, mouth of Indus.

216, 217. MACROCHISMA MAXIMA, 1, *A. Ad.*, Z. P., 1850, p. 102. Fiss. macrochisma, *Humph.*, *Sowb.*, C. Ill., f. 39. New S. Wales.

218. M. COMPRESSA, 4, *A. Ad.*, Z. P., 1850. Hab. ——?

219. M. SINENSIS, 2, *A. Ad.*, Z. P., 1855. China.

220. M. DILATATA, 9, *A. Ad.*, Z. P., 1850. Hab. ——?

221. M. BAKIEI, 10, *A. Ad.* Hab. ——?

222. M. NOVÆ-CALEDONIÆ, 12, *Sowb.*, G. B., 2. New Caledonia.

223. M. TASMANIÆ, 11, *Sowb.*, G. B., 2. Tasmania.

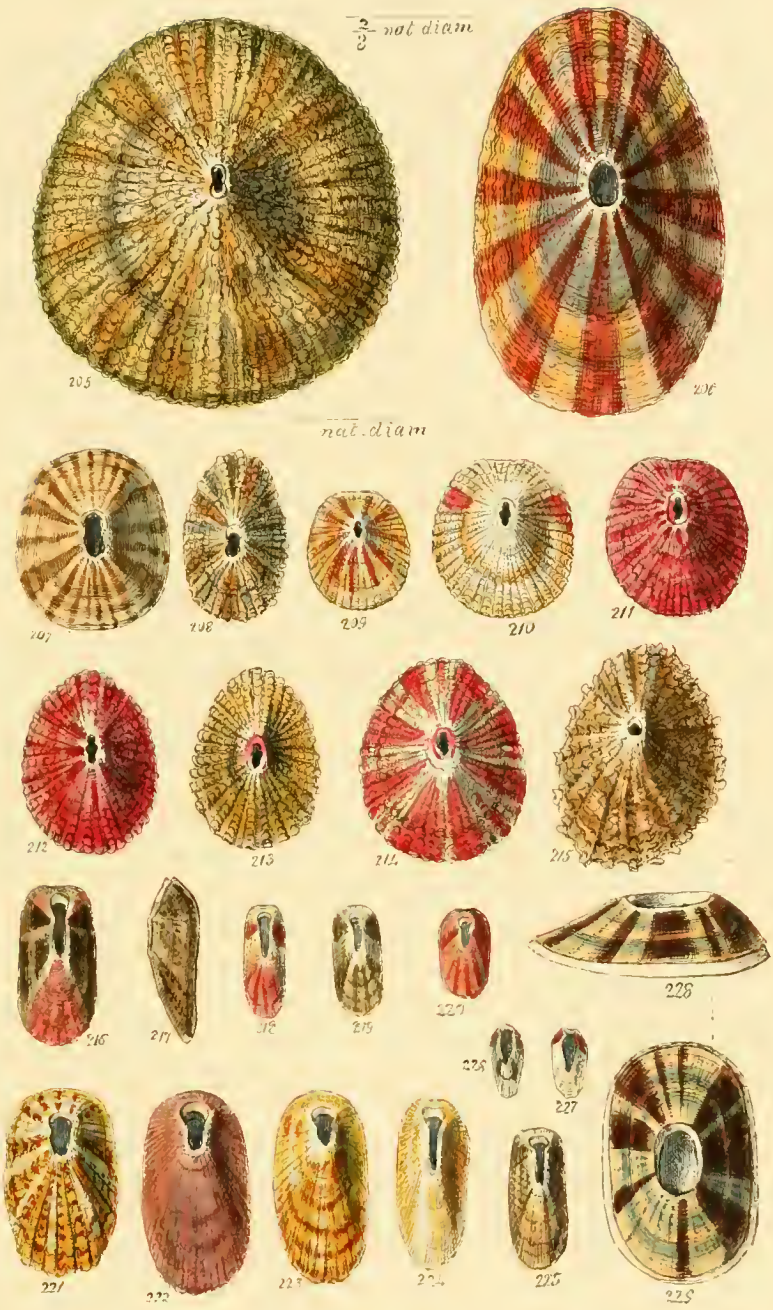
224. M. PRODUCTA, 5, *A. Ad.*, Z. P., 1850. Australia.

225. M. ANGUSTATA, 3, *A. Ad.*, Z. P., 1850. Hab. ——?

226. M. CUSPIDATA, 7, *A. Ad.*, Z. P., 1850. Cagayan, Philippines.

227. M. MEGRATREMA, 6, *A. Ad.*, Z. P., 1850. Hab. —?

228, 229. PUPILLÆA APERTA, *Sowb.*, Tank. Cal. Not Hiatula, *Lamk.* Patagonia.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CEMORIA.

| Fig. | Sp. | |
|---|---|---|
| 1, 2. | 3. | CONICA, *D'Orb. Voy. Amér. Mér.* 471. *pl.* 78. Central America. |
| 3, 4, 5. | 4. | CUCULLATA, *Gould, Expd. Shells, p.* 14. |
| 6, 7, 8, 9. | 5. | NOBILIS, *A. Ad.* Okosiris, Japan. |
| 10, 11. | 1. | NOACHINA, *Linn. Mant. p.* 551.—Pal. fissurella, *Müller.*—P. apertura, *Mont. Fiss. Noach.* Schum. —Rimula Flemingii, *Macgill.*—Cemoria princeps, *Migh.*, etc. Europe. |
| 12. | 2. | GALEATA, *Gould, Expd. Shells* (*Rimula*). Puget's Sound. |
| 13. | 6. | COGNATA, *Gould (Rimula), Expd. Shells.* Orange Harbour, Couthenay. |
| 14. | 7. | FALKLANDICA, *A. Ad.* Falkland Islands. |
| 15, 16. | 8. | FASTIGIATA, *A. Ad. Pro. Zool. Soc.* 1851, *p.* 228. |

CRANOPSIS.

| | | |
|---|---|---|
| 1, 2. | 1. | PILEOLUS, *A. Ad.* Mino-Sima, Japan. |
| 3, 4. | 2. | PELEX, *A. Ad.* Mino-Sima, Japan. |

ZEIDORA.

| | | |
|---|---|---|
| 1, 2. | 1. | RETICULATA, *A. Ad. Ann. and Mag. Nat. Hist.* 1860. Mino-Sima, Japan. |
| 3. | 2. | CALCEOLINA, *A. Ad. Ann. and Mag. Nat. Hist.* 1860. Mino-Sima, Japan. |

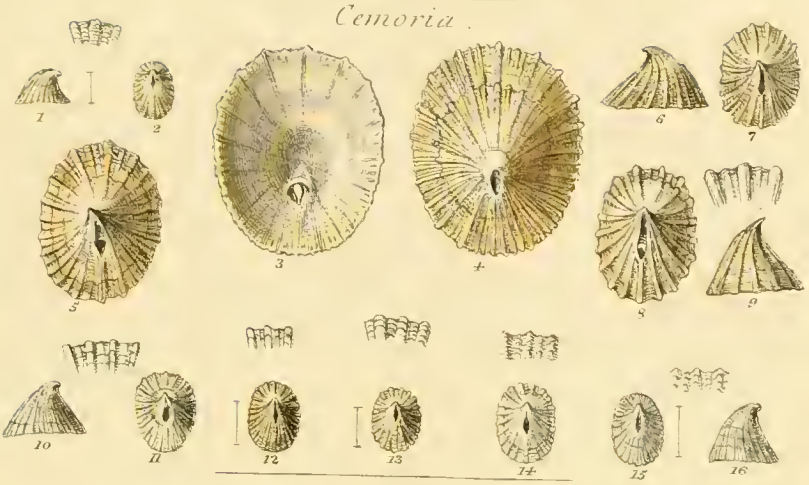
RIMULA.

| | | |
|---|---|---|
| 1. | 1. | CUMINGII, *A. Ad. P. Z.* 1851.—R. echinata, *Gould.* Eastern seas. |
| 2. | 2. | PROPINQUA, *A. Ad. P. Z.* 1851. Calapan, Ph., *H. Cuming.* |
| 3, 4. | 3. | EXQUISITA, *A. Ad. P. Z.* 1851. Catanuan, Isl. Luzon, Ph., and Bureas, on dead shells, *H. Cuming.* |
| 5. | 4. | CARINATA, *A. Ad. P. Z.* 1851. Cagayan, Misamis, Isl. Mindanao, on dead shells, 25 fath., sandy mud, *H. Cuming.* |
| 6. | 5. | MAZATLANICA, *P. P. Carp.* Mazatlan. |

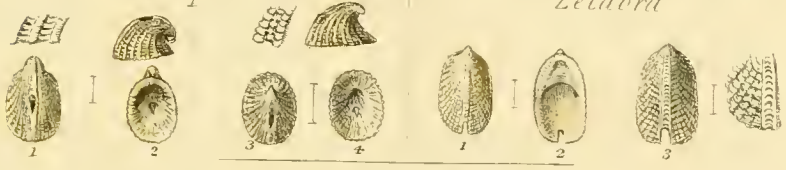
EMARGINULA (including *Subemarginula* and *Clypidina*).

| | | |
|---|---|---|
| 1. | 1. | PLANULATA, *A. Ad. P. Z.* 1851. Coarse sand and shells, 7 fath., *H. Cuming.* |
| 2. | 2. | INCISURA, *A. Ad. P. Z.* 1851. Hab. ——? |
| 3. | 3. | CLYPEUS, *A. Ad. P. Z.* 1851. Bureas, Ph., *H. Cum.* |
| 4. | 4. | HUZARDI, *Payr. P. Z.* 1851; *Cat. des An. et Moll. Corse.*—E. Cuvieri, *Savigny, Egypt, t.* 3, *f.* 2. Mediterr. |
| 5. | 5. | DILECTA, *A. Ad. P. Z.* 1851. King George's Sound, S. Australia. |
| 6. | 6. | OBOVATA, *A. Ad. P. Z.* 1851. Catbalonga, Isl. Samar, *H. Cuming.* |
| 7, 8. | 35. | FULIGINEA, *A. Ad. P. Z.* 1851. Hab. ——? |
| 9, 10. | 34. | VARIEGATA, *A. Ad. P. Z.* 1851. Australia. |
| 11. | 31. | EMENDATA, *Sowb. P. Z.* 1851. Hab. ——? |
| 12, 13. | 17. | VIMINEA, *A. Ad. P. Z.* 1851. Philippines, *H. Cum.* |

*Cemoria*.

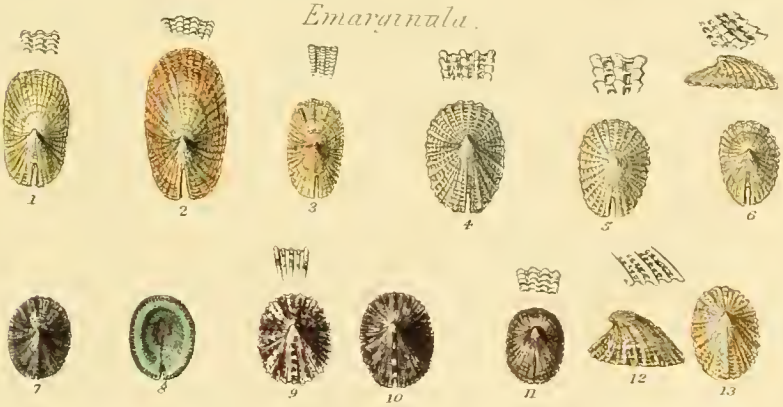


*Cranopsis* | *Zeidora*



*Rimula*

*Emarginula*.



EMARGINULA—*continued.*

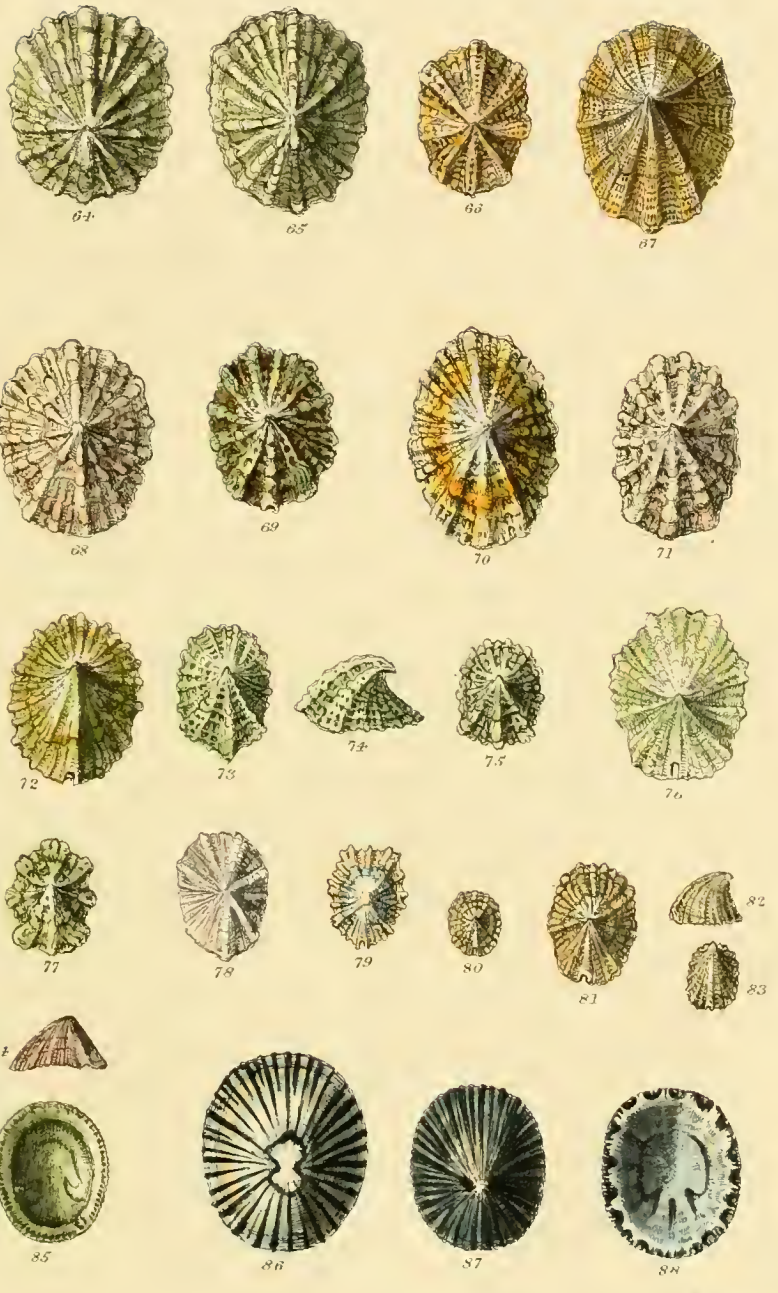
| Fig. | Sp. | |
|---|---|---|
| 14 (35) | 30. | PUNTICULATA, *A. Ad. P. Z.* 1851 (f. 35, excurvata, *A. Ad.*). Hab. ——? |
| 15, 16. | 14. | CANCELLATA, *Phil. Enum. Sicil.* Panorma. |
| 17, 18. | 32. | TENUICOSTATA, *Sowb.* Hab. ——?, *Mus. Cum.* |
| 19, 20. | 18. | CUCULLATA, *A. Ad. P. Z.* 1851. Singapore, on shells, 5 fath. |
| 21. | 29. | CRASSA, *J. Sowb. Min. Con. pl.* 33.—E. solidula, *Costa, Brit. Medit.* |
| 22, 23. | 24. | ROSEA, *Bell. Zool. Journ.* i.—E. conica, *Blainville.*—E. curvirostris, *Desh.*—E. pileolus, *Mich. Brit. Medit.* |
| 24. | 28. | GALERICULATA, *A. Ad. P. Z.* 1851. Calapan, Isl. Mindoro, Ph., *H. Cuming.* |
| 25, 26. | 25. | CAPULIFORMIS. *Phil. Sicil.* Mediterranean. |
| 27, 28. | 26. | ADAMSIANA, *Sowb.* Japan. |
| 29, 30. | 33. | PUNCTATA, *A. Ad. P. Z.* 1851. San Nicholas, Isl. Zebu, Ph., under stones at low water, *H. Cuming.* |
| 31, 32. | 27. | MACULATA, *A. Ad.* Gotto, Isl. Japan. |
| 33 (60) | 10. | ELONGATA, *Phil.* Medit.—E. micans, f. 60. Rain's Isl., Australia. |
| 34 (39, 40) | 12. | CONCINNA, *A. Ad. P. Z.* 1851. Hab. ——? *Mus. Cum.* |
| 35. | | See f. 14. |
| 36. | 13. | SCABRIUSCULA, *A. Ad. P. Z.* 1861. Japan. |
| 37,38 (49) | 23. | RETICULATA, *J. Sowb. Min. Con.*—Patella fissura, *Linn.* (*partim*).—E. lævis, *Recluz, Brit. Medit.* —E. retecosa, *A. Ad.* (f. 49). Isl. Luzon, Ph. |
| 39, 40. | | See f. 34. |
| 41, 42. | 22. | CRASSICOSTATA, *Sowb.* Hab. ——? |
| 43, 44. | 36. | JAPONICA, *Sowb.* Japan. |
| 45, 46. | 16. | CANDIDA, *A. Ad.* Port Adelaide, Australia, on sands. |
| 47, 48. | 20. | SOLIDULA, *Phil. Enum. Sicil.* Mediterranean, also Japan. |
| 49. | | See f. 37, 38. |
| 50, 51. | 59. | PULCHRA, *A. Ad. P. Z.* 1851.—E. picta, *Dunker, Moll. Japan.* Isl. Catanuan, Ph., on exposed rocks, low water, *Cuming.* |
| 52. | 39. | VANIKOROENSIS, *Quoy, Voy. Astr.* Vanikoro. |
| 53. | 45. | SCUTELLATA, *Deshayes.* Hab. ——? |
| 54. | 7. | CLATHRATA, *Pease.* Sandwich Isl. |
| 55, 56. | 15. | BELLULA, *A. Ad. P. Z.* 1851. Isl. Luzon, Ph., *H. Cuming.* |
| 57. | 41. | LÆVICOSTATA, *A. Ad. P. Z.* 1851. Hab. ——? *Mus. Cum.* |
| 58. | 8. | ACULEATA, *A. Ad. P. Z.* 1851. Hab. ——? *Mus. Cum.* |
| 59. | 21. | STRIATULA, *Quoy et Gaim. Voy. Astr.* Australia. |
| 60. | | See f. 33. |
| 61. | 38. | SCABRICOSTATA, *A. Ad. P. Z.* 1851. Isl. Corregidor, Bay of Manilla, sandy mud, 12 fath., *H. Cuming.* |
| 62. | 19. | LONGIFISSA, *Sowb.* Hab. ——?, *Mus. Cum.* |
| | | EXIMIA, *A. Ad. P. Z.* Isl. Zebu., Ph., under stones, *H. Cuming.* |

*Emarginula*

## FISSURELLIDÆ.—Plate XII.

Emarginula—*continued.*

| Fig. | Sp. | |
|---|---|---|
| 64, 65 (68) | 57. | depressa, *Blainv. Man. de Mal.* Honduras. |
| 66. | 56. | octoradiata, *Gmel.* Australia. |
| 67 (94). | 48. | australis, *Quoy et Gaim. Voy. Astr.* Australia. |
| 68. | | See f. 64. |
| 69. | 55. | Guadaloupensis, *Sowb.* Guadaloupe. |
| 70, 71. | 47. | imbricata, *A. Ad. P. Z.* Mouth of Victoria river, N.E. Australia. |
| 72. | 49. | Tasmaniæ, *Sowb.* Tasmania. |
| 73, 74, 75. | 50. | Panhiensis, *Quoy et Gaim. Voy. Astr.* Philippine Archipelago. |
| 76. | 44. | Cumingii, *Sowb.* Australia. |
| 77. | 51. | nodulosa, *A. Ad. P. Z.* 1851. Sibonga, Isl. Zebu, Ph., *H. Cuming.* |
| 78 (90). | 42. | polygonalis, *A. Ad. P. Z.* 1861.—E. denticulata, *A. Ad.*—Catanuan, Ph., *H. Cuming.* |
| 79. | 43. | crassilabrum, *A. Ad. P. Z.* 1851. Hab.——? |
| 80. | 40. | pumila, *A. Ad. P. Z.* 1851. Hab.——? *Mus. Cum.* |
| 81. | 46. | lata, *Quoy et Gaim.*—Subemarginula catillus, *A. Ad.* Hab. Australia. |
| 82, 83. | 53. | alveolata, *A. Ad. P. Z.* 1851. Honduras. |
| 84, 85. | 61. | sulcifera, *A. Ad. P. Z.* 1851. Hab.——? *Mus. Cum.* |
| 86, 87, 88. | 62. | notata, *Linn.* |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# FISSURELLIDÆ.—Plate XIII.

Emarginula—*continued.*

Fig. Sp.

89. 52. sculptilis, *A. Ad. P. Z.* 1851. Calapan, Mindinoro, Ph., *H. Cuming.*

90. See f. 78, Pl. XII.

91. 54. cratitia, *A. Ad. P. Z.* 1851. Hab. ——? *Mus. Cum.*

92, 93, 95, 96–102. 58. rugosa, *Quoy et Gaim. Voy. Astr.*—Clypidina acuminata (f. 88, 89).—C. candida (f. 100). C. annulata (f. 101, 102).—C. scabricula, *A. Ad.*—C. fungina (f. 101, 102), *Gould.*—C. aspera (f. 92), *Gould.*—Em. conoidea, *Reeve.* Australia.

94. See f. 67, Pl. XII.

103. 60. stellata, *A. Ad. P. Z.* 1851. Australia.

104. 37. fissurata, *Chemn.* Philippines.—E. variegata, *A. Ad.*

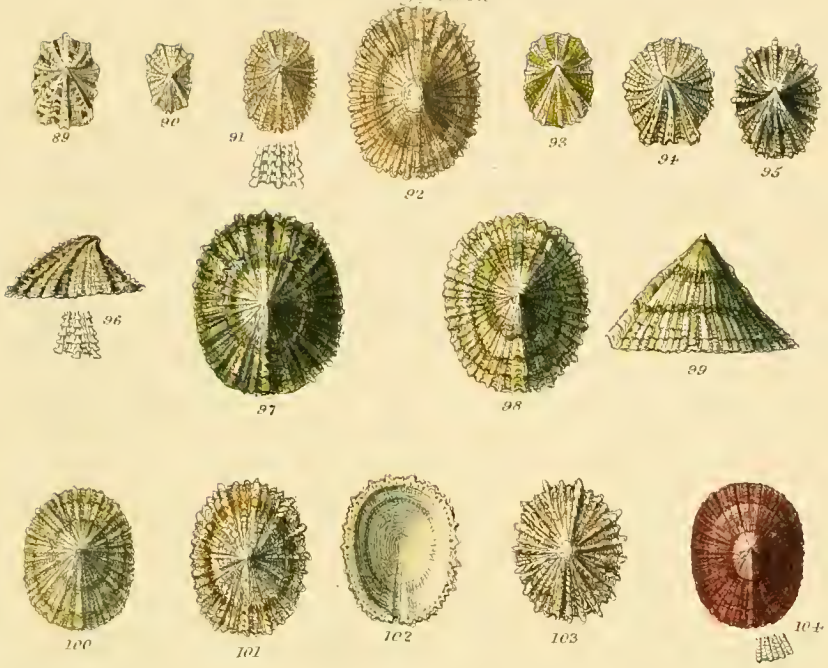
Scutus = Parmophorus.

1,2 (10,21). 1. elongatus, *Lamk.*—Parm. lævis, *Bl.*—Sc. augustatus, *A. Ad.* East Australia. Also known fossil.

3 (20). 5. granulatus, *Blainv.*—Sc. imbricatus (f. 3), *Quoy et Gaim.*

4 (7). 4. corrugatus, *Reeve, P. Z.* 1842. Hab. Japan.

*Emarginula*




*Scutus.*

G.B.Sowerby

# FISSURELLIDÆ.—Plate XIV.

## Scutus and Tugalia.

| Fig. | Sp. | |
|---|---|---|
| 5 (11, 16). | 1. | Tug. parmophoridea, *Quoy et Gaim.* Australia. New Zealand. |
| 6. | 4. | Sc. breviculus, *Blainv. Bull. des Sc.*—Par. tumidus, *Quoy.*—P. gibbosus, *Anton.* Madagascar. |
| 7. | | See f. 4, Pl. XIII. |
| 8, 9. | 7. | Tug. scutellaris, *A. Ad. P. Z.* 1851. Philippines, *H. Cuming.* |
| 10. | | See f. 1, 2, Pl. XIII. |
| 11. | | See f. 5. |
| 12. | 5. | Tug. decussata, *A. Ad. P. Z.* 1851. Philippines, *H. Cuming.* |
| 13. | 4. | Tug. carinata, *A. Ad. P. Z.* 1851. Philippines, *H. Cuming.* |
| 14. | 6. | Tug. cicatrosa, *A. Ad. P. Z.* 1851. Philippines, *H. Cuming.* |
| 15 (17). | 3. | Tug. cinerea, *Gould.*—P. intermedius, *Reeve, Z. P.* 1842. Hab. ——? Mus. Cum. |
| 16. | | See f. 5. |
| 17. | | See f. 15. |
| 18. | 2. | Tug. ossea, *Gould, Exped. Shells.* Feejee Islands. |
| 19. | 2. | Sc. unguis, *Linn.*—Pal. ambigua, *Chem.*—Sc. antipodis.—P. australis, *Lamk.* Australia, New Zealand. |
| 20. | | See f. 3, Pl. XIII. |
| 21. | | See f. 1, Pl. XIII. |

*Scutus*

## SOLARIUM.—Plate I.

*The specimens figured are mostly in Mr. Cuming's collection.*

Fig. Sp.

1, 2. 8. GRANULATUM, *Desh.* (as of Lamarck's Anim. s. Vert.), *Ency. Méth. Vers*, ii. 158; *Menke, Zeit. Malak.* 1847, *p.* 180. Mexico.

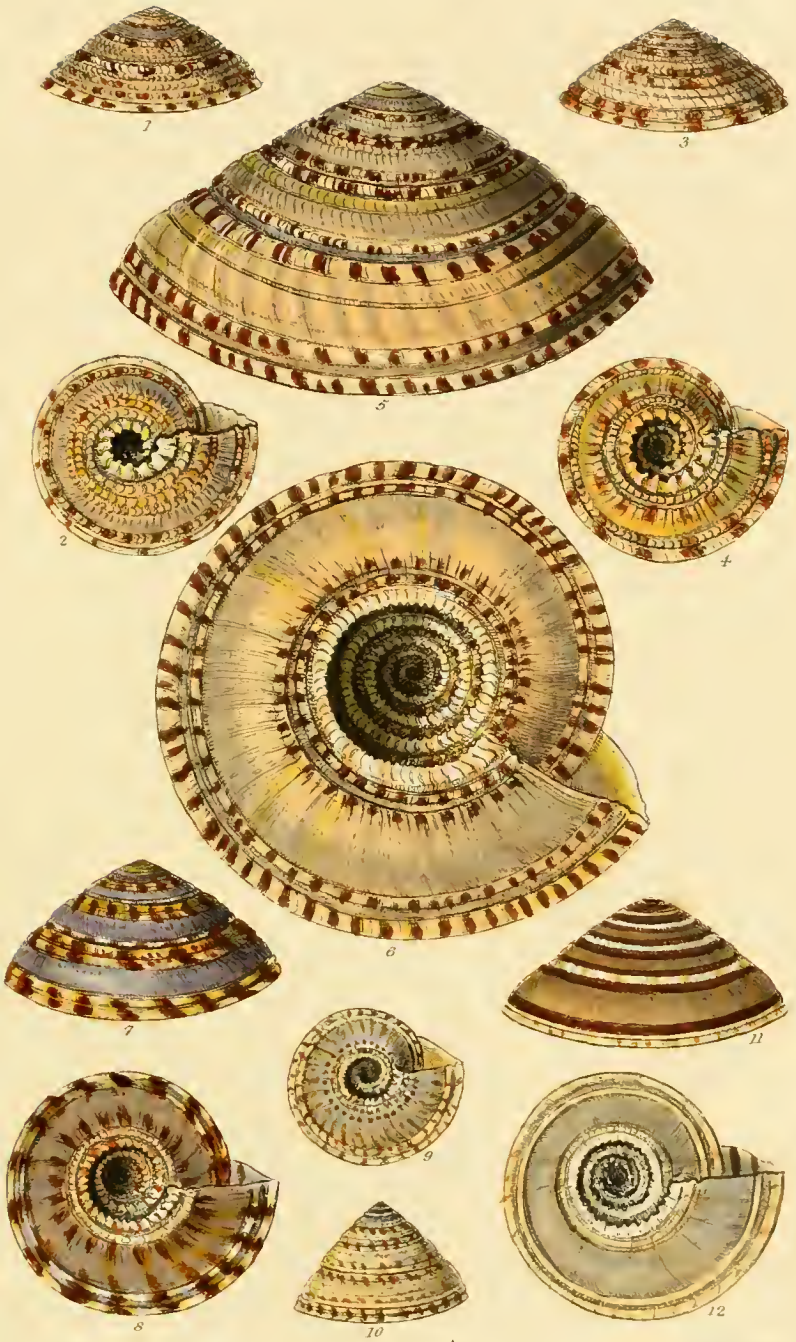
3, 4. 5. QUADRICEPS.—S. granulatum, *Kien. Coq. Viv. Sol. f.* 2; *Phil. Kust. Sol. pl.* 3. *f.* 5.—S. q., *Hinds, Proc. Zool.* 1844, *p.* 23; *Zool. Voy. Sulp. p.* 50, *pl.* 14, *f.* 7, 8 (*copied Phil. Kust. Sol. p.* 7, *pl.* 3). Zanzibar; Bay of Panama.

5, 6. 3. MAXIMUM.—Trochus perspectivus, *Geve* (*ed. Bachm.*), *f.* 266, *probably.*—T. p. australis, *Chemn. Conch. Cab.* xi. *p.* 162, *f.* 1884, 5.—S. p., *Lam. Anim. s. Vert. (description chiefly); Ency. Méth. Vers, pl.* 446, *f.* 1; *Penny Cyclop.* xxv. *p.* 270.—S. m., *Phil. Zeit. Malak.* 1848, *p.* 170; *Kust. Sol. p.* 6, *pl.* 1, *f.* 2, 3. Java; Ceylon.

7, 8. 12. PURPURATUM, *Hinds, Proc. Zool.* 1844, *p.* 25; *Zool. Voy. Sulph. p.* 49, *pl.* 14, *f.* 1, 2 (*copied Kust. Sol. p.* 8, *pl.* 1).—*Young.*—S. stellatum, *Phil. Zeit. Malak.* 1848, *p.* 172; *Kust. Sol. p.* 16, *pl.* 3, *f.* 3. Moluccas. (*Mus. Taylor.*)

9, 10. 16. REEVEI, *Hanl. Proc. Zool.* 1862. Sydney.

11, 12. 4. MODESTUM.—Trochus perspectivus, *Geve* (*ed. Bachm.*), *f.* 269.—S. m. *Phil. Zeit. Mal.* 1848, *p.* 171; *Kust. Sol. p.* 15, *pl.* 3, *f.* 1. China; Society Isles.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## SOLARIUM.—Plate II.

Fig. Sp.

13, 14. 17. FULIGINOSUM, *Hinds, P. Z.* 1844, *p.* 158 (*copied, Phil. Kust. Sol. p.* 38).—S. maculatum, *Reeve, Elem. Conch. pl.* 13, *f.* 62. Locality ?

15, 16. 18. HANLEYI, *Sowerby.*

17, 18. 13. PERDIX, *Hinds, P. Z.* 1844, *p.* 22; *Zool. Voy. Sulph. p.* 50, *pl.* 14, *f.* 3, 4; *Phil. Kust. Sol. p.* 9, *pl.* 1, *f.* 8, 9. Malacca; Ceylon; N.W. Australia.

19, 20. 2. TROCHLEARE.—S. perspectivum, *Sowb. (not Linn.) Gen.; copied, Reeve, Conch. Syst. pl.* 213; *Phil. Zeit. Mal.* 1848, *p.* 170.—S. t., *Hinds, P. Z.* 1844, *p.* 25; *Phil. Kust. Sol. p.* 3. Philippines.

21, 22. 15. LÆVIGATUM, *Lam. (ed. Desh.) Anim. s. Vert. p.* 98; *Kien. Coq. Viv. Sol. f.* 3; *Phil. Zeit. Mal.* 1848, *p.* 169; *Kust. Sol. p.* 17, *pl.* 3, *f.* 4. Kurrachee, mouth of Indus.

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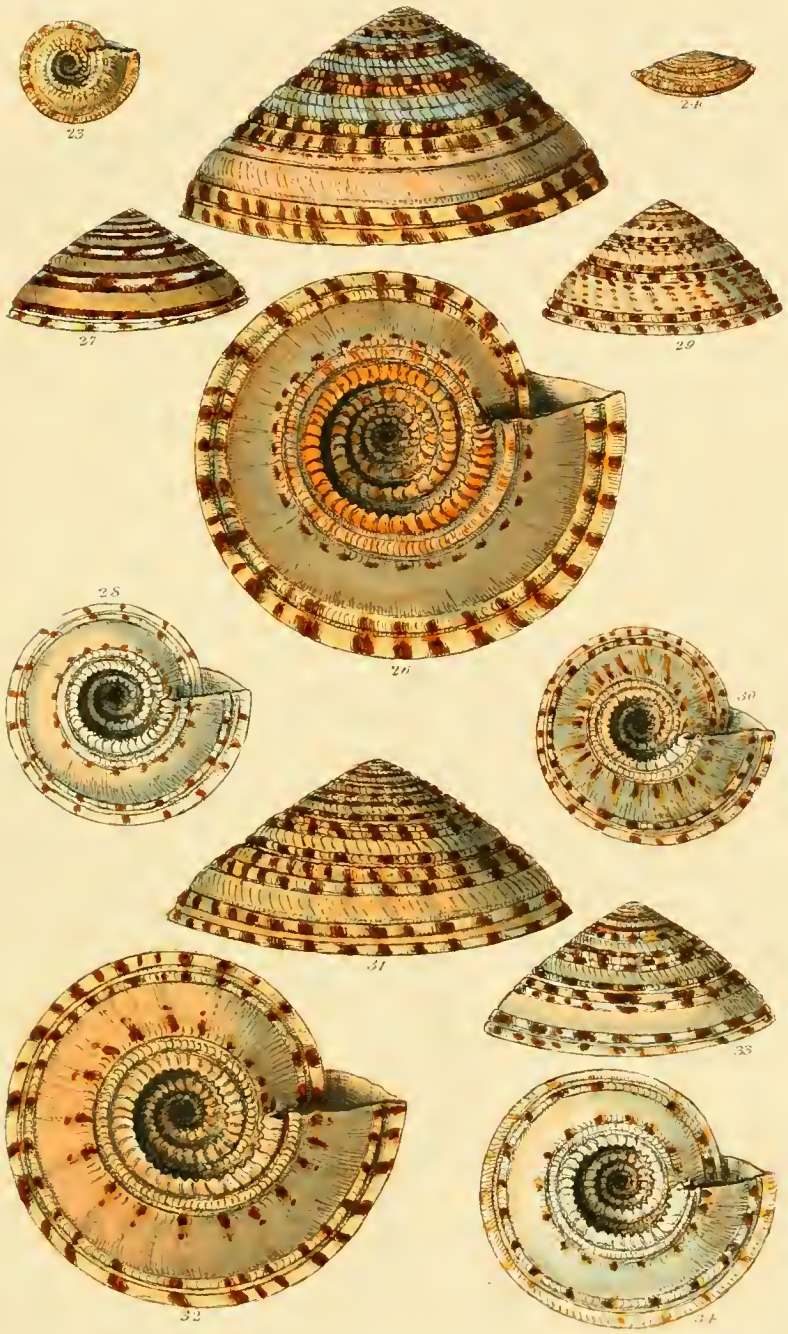
## SOLARIUM.—Plate III.

| Fig. | Sp. | |
|---|---|---|
| 23, 24. | 20. | PLACENTULA, *Hinds, P. Z.* 1844, *p.* 22; *Zool. Voy. Sulph. p.* 50, *pl.* 14, *f.* 5, 6; *copied Phil. in Kust. Sol. p.* 18, *pl.* 3, *f.* 6. Bay of Magdalena, California. (*Mus. Taylor.*) |
| 25, 26. | 5. | QUADRICEPS, *Hinds.* See f. 3, 4. |
| 27, 28. | 4. | MODESTUM, var., *Philippi.* See f. 11, 12. |
| 29, 30. | 14. | DUNKERI, *Haul. P. Z.* 1862. Indian Archipelago. |
| 31, 32. | 6. | TAYLORI, *Haul. P. Z.* 1862. Zanzibar. (*Mus. Dunker.*) |
| 33, 34. | 10. | PICTUM.—*Young:* S. fragile, *Hinds, P. Z.* 1844, *p.* 24; *Zool. Voy. Sulph. p.* 51, *pl.* 14, *f.* 15, 16; *copied Phil. Kust. Sol. p.* 20, *pl.* 3. *f.* 9.—S. p., *Phil. Zeit. Mal.* 1848, *p.* 171; *Kust. Sol. p.* 15, *pl.* 3, *f.* 2. North coast of New Guinea. (*Mus. Taylor.*) |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## SOLARIUM.—Plate IV.

| Fig. | Sp. | |
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| 35. | 7. | NOBILE.—Architectonica n., *Bolten, for Chem. Conch. Cab. f.* 1695, 6.—S. granulatum, *Lam.* (*ed. Desh.*) ix. *p.* 98, *in part; Ency. Méth. Vers, pl.* 466, *f.* 5, 6 (*adult*).—Trochus perspectivus, *Geve (ed. Baehm.), f.* 272 (*badly*).—S. verrucosum, *Phil. Zeit. Malak.* 1848, *p.* 172; *Kust. Sol. pl.* 2, *f.* 5, 6. W. Indies. |
| 36, 37, 38. | 1,2. | PERSPECTIVUM.—Trochus p., *Linn. Syst. ed.* 10, *p.* 757, *and Mus. Ulric.; Chemn. Conch. Cab.* v. *f.* 1693; *from which* Architectonica p., *var.* B., *Bolten; Donov. in Rees, Cyclop. Conch. pl.* 3; *Geve (ed. Baehm.), f.* 267, 8.—S. p., *Crouch. Ill. Lam. pl.* 16, *f.* 13.—S. formosum, *Hinds, P. Z.* 1844, *p.* 25.—S. zonatum, *Phil. Zeit. Malak.* 1848, *p.* 173.—*Var.* S. australe, *Phil. Zeit. Malak.* 1848, *p.* 168; *Kust. Sol. p.* 29, *pl.* 4, *f.* 8 (*Young*).—*Var.* S. incisum, *Phil. Zeit. Malak.* 1848, *p.* 169; *Kust. Sol. p.* 27, *pl.* 4, *f.* 6. Amboyna (typical); Australia (var.). |
| 39, 40, 41. | 22. | HYBRIDUM.—Trochus h., *Linn. Syst. p.* 1228; *Chemn. Conch.* v. *f.* 1703 (not 1704, 5).—Trochus perspectiviunculus, *Mensch. Gronov. p.* 323, *n.* 1486.—Architectonica radiata (*in part*), *Bolten.*—S. h., *Lam. (ed. Desh.) Anim. s. Vert.* ix. *p.* 99; *Ency. Méth. Vers, pl.* 446, *f.* 2; *Kien. Coq. Viv. Sol. f.* 5, 5 a; *Phil. Kust. Sol. pl.* 2, *f.* 15, 18.—S. Layardi, *Ad. P. Z.* 1854, *p.* 317. Philippines; Java; Moreton Bay, Australia; Ceylon. |
| 42, 43. | 22. | HYBRIDUM, *var.* UNDATA. (*Mus. Taylor.*) |
| 44, 45. | 11. | CUMINGII, *Hanl. P. Z.* 1862. Locality? |
| 46, 47. | 23. | OXYTROPIS.—Philippia o., *Ad. P. Z.* 1854, *p.* 317. New Caledonia. |

48, 49. 9. BAIRDII, *Hanl.* Locality? (*Mus. Brit.*)

50, 51, 36. DILECTUM, *Deshayes, Conch. de l'Ile Bourbon.*

52, 53, 54. 25. LUTEUM, *Lam.* (*ed. Desh.*) ix. *p.* 100; *Kien. Coq. Viv. Sol. f.* 9, 9 a; *Potiez and Mich. Gal. Douai, pl.* 29, *f.* 18; *Phil. Kust. Sol. p.* 31, *pl.* 4, *f.* 11. Mediterranean; Australia.

55. 56. 24. CINGULUM.—Trochus hybridus, *Gmel. (except locality); Geve (ed. Bachm.) f.* 274; *Wood, Ind. Test. pl.* 29, *f.* 61.—Architectonica radiata, *Bolten (in part.)*—S. c., *Kien. Coq. Viv. Sol. p.* 6, 6 a.—S. hybridum, *Phil, Kust. Sol. pl.* 2, f. 16, 17. Sandwich Isles; Philippines.

57, 58. 19. DISCUS, *Phil. Mol. Sicil.* ii. *p.* 225, *pl.* 28, *f.* 12; *Kust. Sol. pl.* 4, *f.* 9 (*copied*). Naples. (*Copy.*)

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## SOLARIUM.—Plate V.

Fig. Sp.

59–64. 30. PERSPECTIVIUNCULUS.—Trochus p., *Chemn. Conch. Cab.* v. *p.* 13, *f.* 1708, 9.—T. gyrus, *Meusch. Gronov. Zoop. p.* 323, *n.* 1487.—T. variegatus, *Gmel. Syst.* 3575; *Geve, ed. Bachm. f.* 275, 6.—S. v., *Lam. ed. Desh.* ix. *p.* 99; *Desh. Enc. Méth. Vers,* ii. *p.* 159; *Kien. Coq. Viv. Sol. f.* 7.—S. tessellatum, *Desh. Ency. Méth.* ii. *p.* 160; *Phil. Kust. Sol. pl.* 4, *f.* 12.—S. areola, *Desh. ed. Lam.* ix. *p.* 100.—S. p., *Phil. Kust. Sol. p.* 12, *pl.* 2. *f.* 10, 11.—S. a., *ditto, p.* 13, *from type.* Red Sea; Pacific, etc.

65–67. 29. CYCLOSTOMA, *Menke, Synops. p.* 142, *fide Philip. Kust. Sol. pl.* 4, *f.* 3.—S. Herberti, *Desh. Ency. Méth. Vers,* ii. *p.* 159.—S. cylindraceum, *Desh. ed. Lam.* ix. *p.* 101. W. Indies.

68–70. 30. ÆTHIOPS, *Menke, Syn. p.* 142; *fide Phil. Zeit. Malak.* 1848, *p.* 167; *Phil. Kust. Sol. p.* 24, *pl.* 4, *f.* 1. Porto Rico. (*Mus. Taylor.*)

71, 72. 27. BISULCATUM, *D'Orb. Moll. Cuba, p.* 66 (*copied Phil. Kust. Sol. p.* 34), *pl.* 19, *f.* 17–20. W. Indies. (*Mus. Pickering.*)

73, 74. 28. DORSUOSUM, *Hinds, P. Z.* 1844, *p.* 23 (*copied Phil. Kust. Sol. p.* 37). Mindoro, Philippines.

75, 76. 33. CÆLATUM, *Hinds, P. Z.* 1844, *p.* 25; *Zool. Voy. Sulph. p.* 51, *pl.* 14, *f.* 11, 12 (*copied Phil. in Kust. Sol. p.* 19, *pl.* 3, *f.* 8). Straits of Macassar. (*Mus. Taylor.*)

77, 78. 34. ASPERUM, *Hinds, P. Z.* 1844, *p.* 23; *Zool. Voy. Sulph. p.* 50, *pl.* 14, *f.* 9, 10 (*copied Phil. Kust. Sol. p.* 22, *pl.* 3, *f.* 12). Straits of Macassar. (*Mus. Taylor.*)

79, 80. 35. FENESTRATUM, *Hinds, P. Z.* 1844, *p.* 25; *Zool. Voy. Sulph. p.* 52, *pl.* 14, *f.* 21, 2 (*copied Phil. Kust. Sol. p.* 23, *pl.* 3, *f.* 13). New Guinea. (*Mus. Taylor.*)

81, 82. 41. SOVERBII, *Hanl. P. Z.* 1862. Tunis, *Mus. Brit.*

83, 84. 21. PSEUDO-PERSPECTIVUM, *Brocchi, Conch. Subap.* ii. *p.* 359, *pl.* 5, *f.* 18 (fossil); *Desh. Ency. Méth. Vers,* ii. *p.* 160; *ed. Lam. Anim. s. V.*

ix. *p.* 110.—S. sulcatum, *Costa (as of Lam.,) Mem. Acad. Napoli,* 1844 (probably). Sicily. (*Mus. Hanley.*)

85, 86. 32. VIRGATUM, *Hinds, P. Z.* 1844, *p.* 24; *Zool. Voy. Sulph. p.* 52, *pl.* 14, *f.* 19, 20 (*copied, Phil. Kust. Sol. p.* 21, *pl.* 3, *f.* 10). New Guinea. (*Mus. Taylor.*)

87, 88. 31. MIGHELSII, *Philippi, in Kust. Sol. p.* 36, *for* S. cyclostoma, *Mighels (not Menke), Proc. Bost. N. H.* ii. *p.* 22. Sandwich Isles; Venezuela. (*Mus. Hanley.*)

89, 90. 40. TROCHOIDES, *Desh. Ency. Méth. Vers,* ii. *p.* 160. —S. dealbatum, *Hinds, P. Z.* 1844, *p.* 24; *Zool. Voy. Sulph. p.* 51, *pl.* 14, *f.* 13, 14 (*copied, Phil. Kust. Sol. p.* 19, *pl.* 3, *f.* 7). Manilla.

91–93. 39. INFUNDIBULIFORME. — Turbo crenellus, *Linn. Syst. Nat. ed.* 12, *p.* 628 *(ill defined). Hanl., Ipsa Linn. Conch. p.* 337, 532.—Trochus i., *Chemn. Conch.* v. *p.* 133, *f.* 1706-7.—S. Chemnitzii, *Kien. Coq. Viv. Sol. p.* 12, *pl.* 4, *f.* 8.—S. i., *Phil. in Kust. Sol. p.* 11, *pl.* 2, *f.* 8, 9. Philippines; Lord Hood's Island; Sandwich Isles (var. *Chemnitzii*).

94. INFUNDIBULIFORME?, *var.*, p. 21.

95–97. 37. STRAMINEUM.—Trochus s., *Chemn.* v. *p.* 13, *f.* 1699; *Gmel.* 3575; *Wood. Ind. Testac. pl.* 29, *f.* 63.—Architectonica Gothica, *Bolten.*—S. s., *Lam.* (*ed. Desh.*) ix. *p.* 99; *Kien. Coq. Viv. Sol. p.* 11, *f.* 4; *Phil. Kust. Sol. p.* 32, *pl.* 2, *f.* 7.—*Var.* S. Siculum, *Cantraine, Bull. Brux.* ix. *pl.* 2 (1842), *p.* 343, *teste Phil.*—S. fulvum, *Hinds, P. Z.* 1844, *p.* 24; *Zool. Voy. Sulph. pl.* 14, *f.* 17, 18, *copied by Phil. Kust. Sol. pl.* 3, *f.* 11.—S. s., *var.* Mediterranea, *Phil. Kust. Sol. pl.* 4, *f.* 14. Tranquebar; Philippines; New Guinea; Mediterranean.

98–100. 38. CYLINDRACEUM.—Trochus c., *Chemn. Conch.* v. *p.* 11 (*as* T. c., etc., *p.* 95), *f.* 1639, *from which Dillw. Cat. Shells, p.* 767, *and* T. cylindricus, *Gmel.* 3572.—S. canaliferum, *Adams, MSS. in Mus. Cuming.* Philippines.

1, 2. BIFRONTIA (?) ZANCLÆA, *Philippi, Moll. Sic.* ii. *p.* 225, *pl.* 28, *f.* 11 (fossil); *Ann. Nat. Hist.* 1853 (*n. ser.* xi.), *p.* 260. Madeira and Canary Isles. (*Mus. Hanley.*)

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Fig. Sp.

26. 11. SCHRAMMI, *Fischer, Journ. de Conch. pl.* 10, *f.* 10. Guadeloupe.

27 v. 7, 8.

28, 29. 14. ANAGLYPTA, *A. Ad. Ann. and Mag. Nat. Hist.* 1863. Zolenko, Japan.

30, 31. 16. BIPORCATA, *A. Ad. Ann. and Mag. Nat. Hist.* 1863. Seto-Uchi; Japan.

Subg. *Daronia*, A. Ad.

32, 33. 1. SPIRULA, *A. Ad. (Cyclostrema) Proc. Zool. Soc.* 1850, *p.* 44. —Serpularia spirula, *H. and A. Ad.* 'Genera,' *p.* 406.—Philippines.

34. 2. CYCLOTINA, *A. Ad.* O-Sima, Japan.

Subg. *Tubiola*, A. Ad.

35, 36. 1. NIVEA, *Chem.*—Turbo niveus, *Chem. Conch. Cab.* x. *pl.* 165, *f.* 1587–88. Delphinula n., *Phil. Conch. Cab. pl.* 4, *f.* 1. Tubiola n., *A. Ad. Proc. Zool. Soc.* 1863.—Japan.

37, 38. 2. CORNUELLA, *A. Ad. (Skenea) Ann. and Mag. Nat. Hist.* 1860.—Tubiola c., 1863. Japan.

39, 40. 3. DIVISA, *J. Ad. (Turbo) Forbes and Hanl. pl.* 74, *f.* 4, 5, 6.—Helix serpuloides, *Mont.*—British Seas.

Subg. *Mierotheca*, A. Ad.

41, 42. 1. CRENELLIFERA, *A. Ad. Ann. and Mag. Nat. Hist.* 1863.—Isanda crenellifera, *A. Ad. ib.* 1862. —Japan.

Subg. *Morchia*, A. Ad.

43, 44. 1. OBVOLUTA, *A. Ad. Ann. and Mag. Nat. Hist.* 1860; *Pro. Zool. Soc.* 1863. Japan.

## CYCLOSTREMA.—Plate CCLV.

Fig. Sp.

1, 2. 6. ANGULATA, *A. Ad. Proc. Zool. Soc.* 1850, *p.* 44. Isle of Zebu, Ph.; Dumaguete, Isle of Negros (*H. C.*).

3, 4. 2. LÆVIS, *Kien. (Delphinula) Spec. Gen. p.* 12, *pl.* 4, *f.* 6.—D. nivea, *Rve. Conch. Icon. Sp.* 26 (*not* Turbo niveus, *Chem. Phil. Conch. Cab. pl.* 4, *f.* 1). Cyclost. diastretum, *Gould.*—China Seas; Fijis.

5, 6. 1. CANCELLATA, *Marryatt, Trans. Linn. Soc.* 1818, xii. *p.* 338. West Indies (*Marryatt*). Philippines (*Cuming*).

7, 8. (27) 5. MICANS, *A. Ad. Proc. Zool. Soc.* 1850, *p.* 43.—Cycl. pulchellum, *Dkr. Moll. Japon. p.* 20, (?) modesta, *Gould, pl.* 3, *f.* 5.—Port Lincoln (*Metcalfe*); Japan (*A. Ad.*).

9, 10. 3. REEVIANA, *Hinds (Delphinula), Voy. Sulph. p.* 52, *pl.* 16, *f.* 17. Str. Malacca (*Hds.*); Isle of Samar (*Cuming*).

11, 12. 7. SULCATA, *A. Ad. Proc. Zool. Soc.* 1850, *p.* 44. Philippines (*Cuming*); Japan (*A. Ad.*).

13, 14. 4. CINGULIFERA, *A. Ad. Proc. Zool. Soc.* 1850, *p.* 43. Isle of Negros (*Cuming*); Japan (*A. Ad.*).

15, 16. 13. EXCAVATA, *Carpenter, Proc. Zool. Soc.* China Sea.

17, 18. 9. VERREAUXII, *Fischer (Adcorbis), Journ. de Conch. pl.* 10, *f.* 13. California.

19, 20. 10. TORNATA, *A. Ad.* Japan.

21, 22. 15. AMMONOCERAS, *A. Ad. Ann. and Mag. Nat. Hist.* 1863. Tanabe, Kiug-O-Sima; Japan.

23, 24. 12. CINGULATA, *Dkr. Moll. Japan, p.* 20, *pl.* 3, *f.* 11. Japan.

25. 8. BEAUI, *Fischer (Adeorbis), Journ. de Conch. pl.* 10, *f.* 12. Guadeloupe.

*Saba. Daronia.*

*Saba. Tabiola*

*Saba. Microthyca*

*Saba. Morchia*

Fig. Sp.

29, 30. 15. CORNICULUM, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. Mino-Sima; Japan.

31, 32. 17. NANULA, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. Mino-Sima; Japan.

33, 34. 20. SUBANGULATA, *A. Ad. Ann. and Mag. Nat. Hist.* 1863. Gotto Islands; Japan.

35, 36. 14. PATRUELIS, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. Mino-Sima; Japan.

37, 38. 7. ANGASI, *A. Ad. Proc. Zool. Soc.* 1863. Australia (*G. F. Angas*).

39, 40. 21. DIAPHANA, *A. Ad. Ann. and Mag. Nat. Hist.* 1863. Gotto Islands; Japan.

Gen. *Teinostoma*, A. Ad.

41, 42. 2. CARPENTERI, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. Gulf of Pechili.

43, 44. 1. POLITUM, *A. Ad. Proc. Zool. Soc.* 1854. Philippines.

45, 46. 3. CONCENTRICUM, *A. Ad. Ann. and Mag. Nat. Hist.* 1863. Takano-Sima; Japan.

47, 48. 4. RADIATUM, *A. Ad. Ann. and Mag. Nat. Hist.* 1860. Kino-O-Sima; Japan.

49, 50. 5. LUCIDUM, *A. Ad. Ann. and Mag. Nat. Hist.* 1863. Sinoda.

51, 52. 6. AMPLECTANS, *Carpenter, Cat. Mazatlan Moll, p.* 253. Mazatlan.

53, 54. 7. SUBSTRIATUM, *Carpenter, Cat. Mazat. Moll. p.* 254. Mazatlan.

Subg. *Calceolina*, A. Ad.

55, 56. 8. PUSILLUM, *C. B. Ad. (Neritina), C. B. Ad. Conch. Contrib. p.* 112.—Tein. anomalum, *H. and A. Ad.* 'Genera,' vol. i. p. 120.—T. pusillum, Append. p. 615.—Tanabe; Japan.

## ADEORBIS, *Wood.*—Plate CCLVI.

| Fig. | Sp. | |
|---|---|---|
| 1, 2. | 3. | ELEGANS, *A. Ad. (Cyclostrema), Proc. Zool. Soc.* 1850. St. Thomas. |
| 3, 4. | 2. | PLANA, *A. Ad. (Cyclostrema), Proc. Zool. Soc.* 1850. Philippines (*Cuming*); Japan (*A. Ad.*) |
| 5, 6. | 4. | PLANORBULA, *A. Ad. (Cyclostrema), Proc. Zool. Soc.* 1850, *p.* 43. Philippines. |
| 7. | 1. | SUBCARINATA, *Walker* (*Helix*).—Adeorbis subcarinata, *S. Wood.* British Seas. |
| 8. | 6. | ADAMSII, *Fisch. Journ. de Conch.* 1857, *pl.* 10, *f.* 11. Guadeloupe. |
| 9, 10. | 5. | NITIDA, *A. Ad. (Cyclostrema), Proc. Zool. Soc.* 1850. Philippines. |
| 11. | | By error. |
| 12, 13. | 19. | TROCHULA, *A. Ad. Ann. and Mag. Nat. Hist.* 1863. Gotto Islands; Japan. |
| 14, 15. | 13. | DEPRESSA, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. Mino-Sima; Japan. |
| 16, 17. | 11. | ORBELLA, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. Mino-Sima; Japan. |
| 18, 19. | 18. | CARINATA, *A. Ad. Ann. and Mag. Nat. Hist.* 1863. Seto-Uchi; Japan. |
| 20. | 9. | JAPONICA, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. Gotto Islands; Japan. |
| 21, 22. | 8. | SINENSIS, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. China (*A. Ad.*). |
| 23, 24. | 12. | PROMINULA, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. Mino-Sima; Japan. |
| 25, 26. | 10. | CLAUSA, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. Tabu-Sima; Japan. |
| 27, 28. | 16. | SUTURALIS, *A. Ad. Ann. and Mag. Nat. Hist.* 1861. Tsu-Sima; Japan. |

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TEINOSTOMA.

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Subg. Calceolina.
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## ARGONAUTA.—Plates CCLVII., CCLVIII.

Thes., Pl. 263.

Fig. Sp.

1, 2. 1. Argo, *Linnæus.* Cymbium maximum, *Gualtieri* (f. 1). *A. haustrum* (test. jun.), *Dillwyn.*—India, Pacific, Atlantic, Mediterranean.

3. 3. tuberculosa, *Lamarck.*—*A. nodosa,* Solander, Moluccas, Tasmania, Brazil.

4. 4. Gondola, *Dillwyn, Desc. Cat.* 1, *p.* 335.—S. Atlantic (Philippines, *Cuming*).

5, 6. 5. hians, *Dillwyn, Desc. Cat.* 1, *p.* 334.—S. Atlantic.

7, 8. 6. Owenii, *Ad. and Reeve.*—Moreton Bay, Australia; Philippines, *Cuming.*

9. 2. Gruneri, *Dunker.*—Marquesas.

ARGONAUTA. I. Thes. Pl. 25[illegible]

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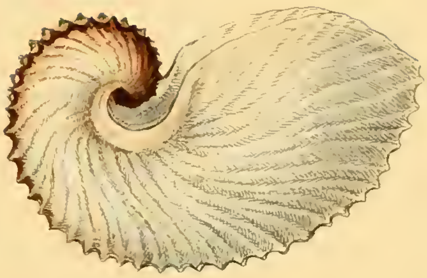

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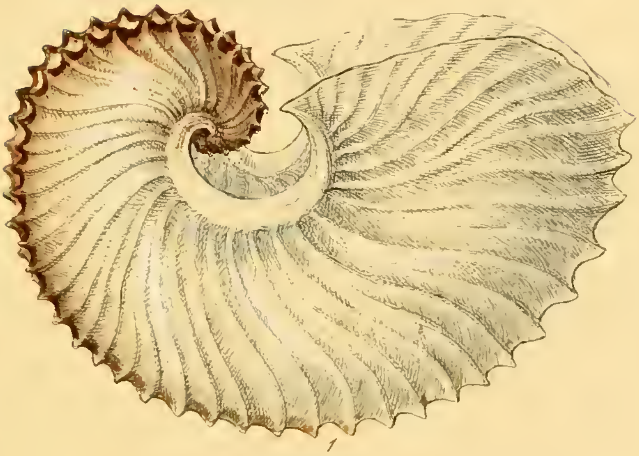

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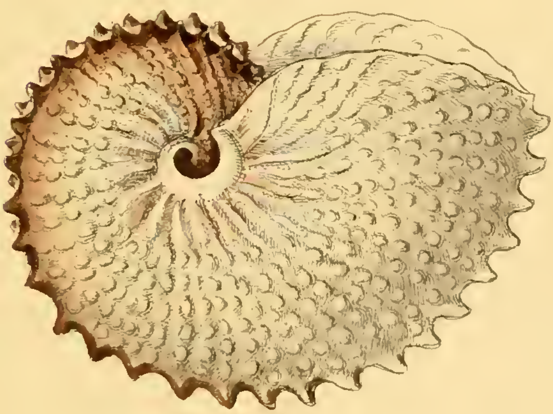

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ARGONAUTA II.

Thes. Pl. 25 8

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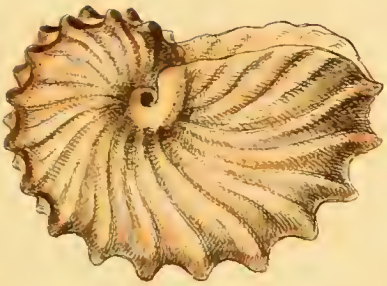

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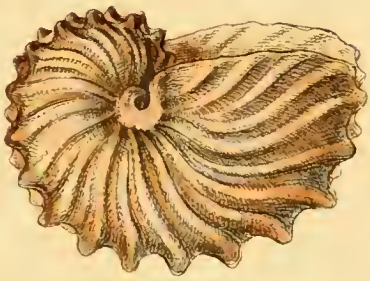

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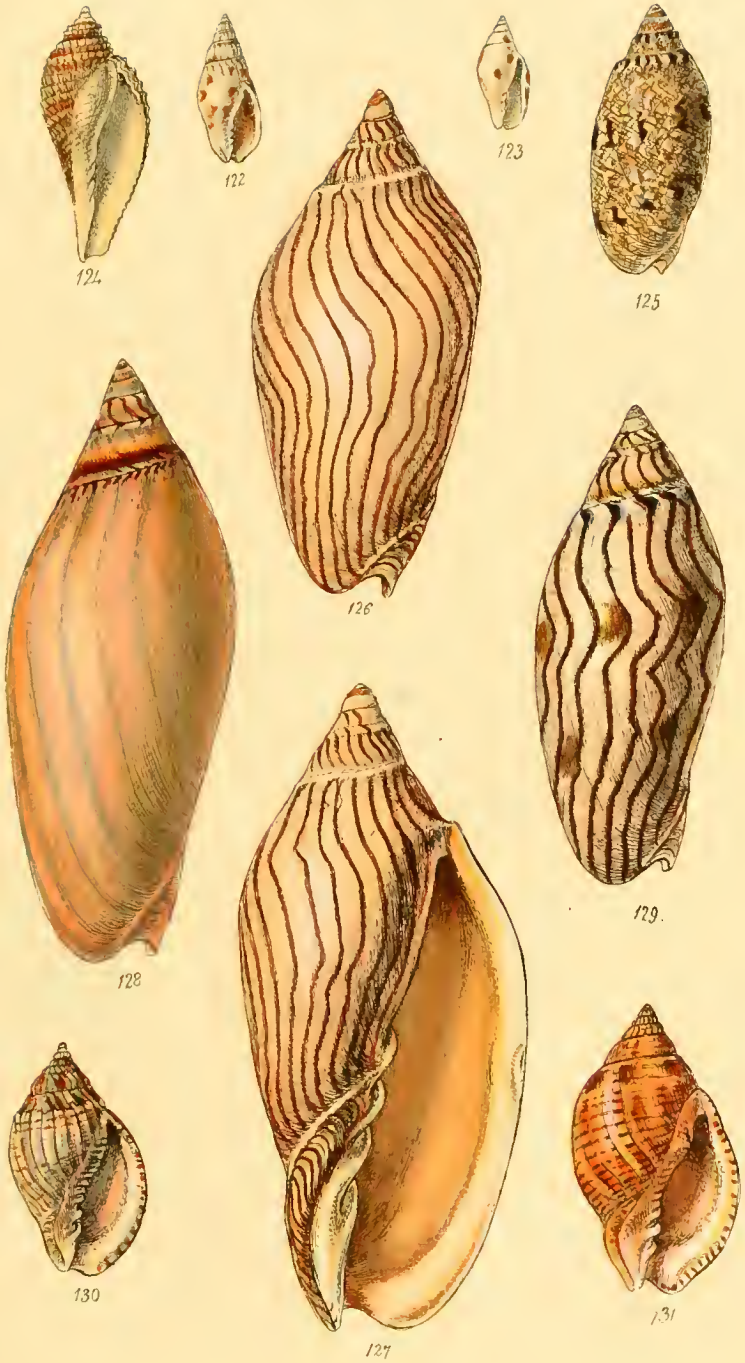
# POMATIAS

Pl. 259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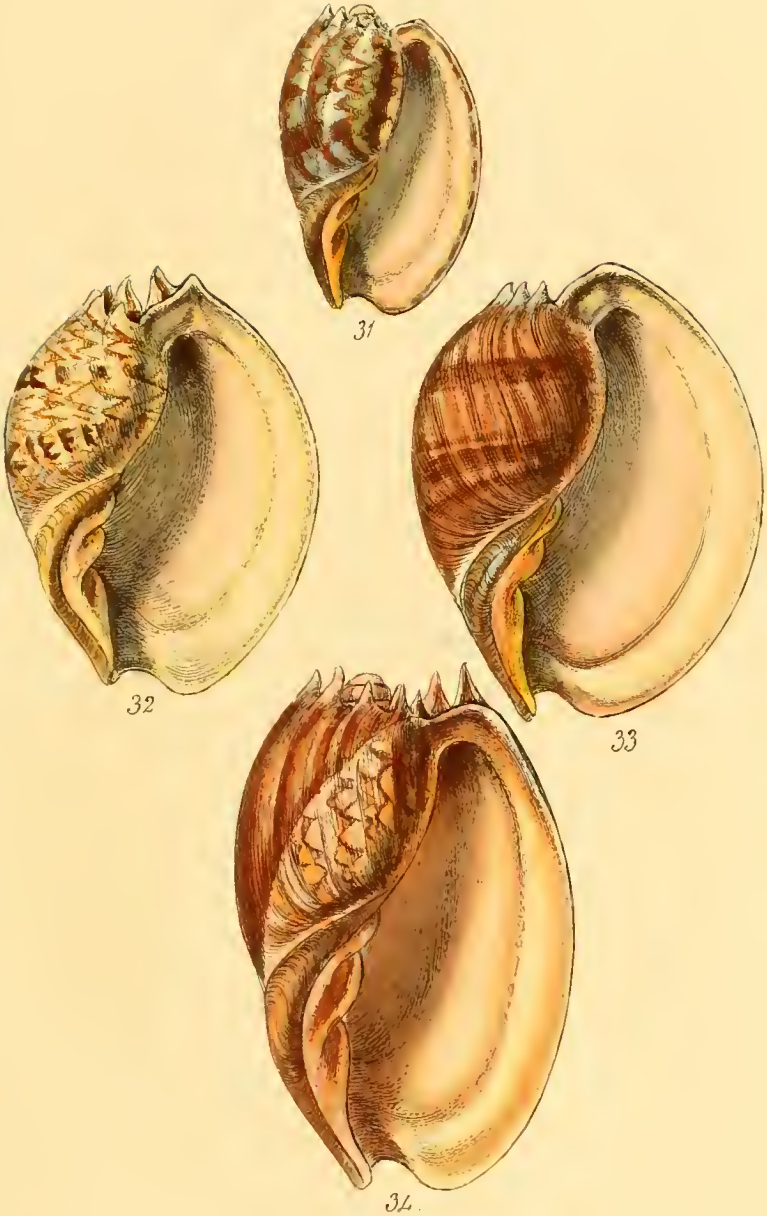

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# PUPINIDÆ.—Plate I.

Thes., Pl. 263.

Pollicaria and Megalomastoma.

| Fig. | Sp. | |
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| 1. | 23. | M. Lowei, *A. Ad. and Sowb.* Labuan. |
| 2. | 5. | M. tortum, *Wood, Suppl. pl.* 6. *f.* 23.—C. auriculatum, *D'Orb.* (*f.* 19). C. alutaceum, *Menke;* apertum, *Poey;* digitale, *Gundl.;* Taylorianum, *Pfr.;* idolum, *Féruss.;* bicolor, *Guild.;* seminudum, *Poey.*—Cuba. |
| 3, 4. | 3. | M. simulacrum, *Morel.* — Capamense, *Sowb.* — Guatemala. |
| 5. | 1. | P. gravida, *Bens.*—P. pollex, *Gld.*—Moulmein. |
| 6. | 4. | M. Guatemalense, *Pfr.* Guatemala. |
| 7. | 16. | M. leoninum, *Pfr.* Cuba. |
| 8. | 22. | M. funiculatum, *Bens.* Darjiling, India. |
| 9. | 3. | P. Mouhoti, *Pfr.* Cambogia, Lao Mountains. |
| 10. | 6. | M. bituberculatum, *Sowb.* — Solenatum, *Poey.*— Cuba. |
| 11. | 2. | P. Myersi, *Haines.* Siam. |
| 12, 13. | 13. | M. D'Orbignyi, *Pfr.* St. Domingo, Haiti. |
| 14. | 1. | M. suspensum, *Guild.* — Antillarum, *Sowb.* — St. Thomas. |
| 15. | 2. | M. verruculosum, *Shuttlew.* Porto Rico. |
| 16. | 11. | M. complanatum, *Pfr.* Cuba. |
| 17. | 7. | M. croceum, *Sowb.*, = bifasciatum, *Sowb.* — Gouldianum, *Petri.*—Guayaquil. |
| 18. | 12. | M. Mani, *Poey.*—Procer, *Poey.*—Cuba. |
| 19. | | See f. 2. |
| 20. | 21. | M. anastoma, *Bens.* India. |
| 21. | 17. | M. Guildingianum. |
| 22. | 18. | M. pauperculum. |
| 23. | 20. | M. altum, *Sowb.* Isle of Negroes, Philippines. |
| 24. | 19. | M. sectilabrum, *Gld.* Tavoy, Birmah. |
| 25. | 9. | M. ventricosum, *D'Orb.* Cuba. |
| 26. | 10. | M. Gundlachi, *Pfr.* Cuba. |
| 27. | 14. | M. cylindraceum, *Chemn.*—Turbo flavidus, *Wood.* H. crocea, *Gmel.* Cycl. flavula, *Lamk.* — Porto Rico. |
| 28. | 15. | M. serotinum, *A. Ad. and Sowb.* Cuba. |
| 29. | 8. | M. ungula, *Poey.* Cuba. |

PUPINIDÆ. I.

*Megalomastoma. Pollicaria*

## PUPINIDÆ.—Plate II.

Thes., Pl. 264.

### Cataulus.

Fig.

1. tortuosus (Tortulosa), *Gray*. Nicobar Islands.
2. duplicatus, *Pfr*. Ceylon.
3. Cumingii, *Pfr*. Ceylon.

4, 5. marginatus, *Pfr*. Ceylon.

6. Thwaitesii, *Pfr*. Ceylon.

(& 15.)

7. Layardi, *Gray*. Ceylon.
8. Blanfordi, *Dohrn*. Kandy, Ceylon.
9. Austinianus, *Bens*. Ceylon.
10. pyramidatus, *Pfr*. Ceylon.
11. hæmastomus, *Pfr*. Ceylon.
12. Templemani, *Pfr*. Ceylon.
13. decorus, *Bens*. Ceylon.
14. leucocheilus, *A. Ad. and Sowb*. Ceylon.
15. Thwaitesii, var. See f. 6.
16. recurvatus, *A. Ad. and Sowb*. Anamallay Forest, foot of Nilgherries.
17. euryptrema, *Pfr*. Ceylon.

### Registoma.

1, 2, 3. grande, *Gray*. Philippines.

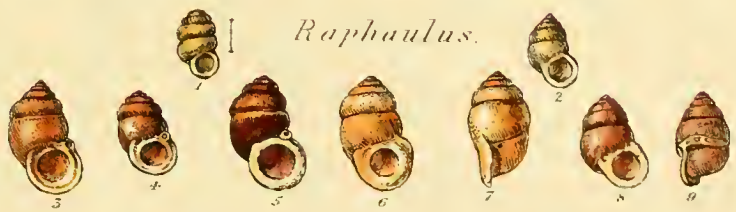
4, 5. fuscum, *Gray*. Philippines.

6. similis, *Sowb*. Island of Luzon, etc., Philippines.
7. vitreum, *Sowb*. N. Australia.
8. exiguum, *Sowb*. Island of Luzon, Philippines.

*Cataulus.*

*Registoma.*

*Raphaulus.*



## PUPINIDÆ.—Plate III.

Thes., Pl. 265.

### Pupina.

Fig.

1, 2. ARTATA, *Bens.* Moulmein, India.
3. AVULA, *Bens.*
4, 5. IMBRICIFERA.
6, 7. AUREA, *Hinds.* New Guinea.
8, 9, 10. BILINGUIS, *Pfr.* E. Australia.
12, 13. BICANALICULATA, *Sowb.* Sibonga, Island of Zebu, Philippines.
14, 15. KERANDRENI, *Vign.* New Ireland.
16. MOUHOTI, *Pfr.* Camboja.
17. PFEIFFERI, *Dohrn.* Cape Flattery.
18. THOMPSONI, *Forbes.* Australia.
19. MITIS, ——. New Ireland.
20. GRANDIS, *Forbes.* Louisiade Archipelago.
21–2–3. VENTROSA, *Dohrn.* Cape York.
24. STRANGII, *Pfr.* Moreton Bay.
25. OTTONIS, *Dohrn.* Mariveles, Luzon.
26. VESCOI, *Morelet.* Paulo Condor.
27. NICOBARICUS, *Pfr.* E. Australia.
28. DIFFICILIS, *Semper.* Pelew Islands.
29. RUFA, *Pfr.* Japan.
30, 31. MINDOROENSIS, *Ad. and Rve.* Japan.
32. BORNEENSIS, *Pfr.* Borneo.
33. MERIDIONALIS, *Pfr.* S. Australia.
34. PLANILABRIS, *Pfr.* S. Australia.
35. SUPERBA, *Pfr.* Island of Sumatra.
36. MOULINSIANA, *Fisch. and Bern.* N. Caledonia.
37. HUMILIS, *Jac.* New Guinea.
38, 39. PUPINÆFORMIS, *Sowb.* Philippines.

### Callia.

1, 2, 3, 4. LUBRICA, *Sowb.* Island of Panay, Philippines.
5, 6. SPLENDENS, *Dohrn.* Lizard Island.
7, 8. WALLACEI, *Pfr.* Ceram.

Fig.

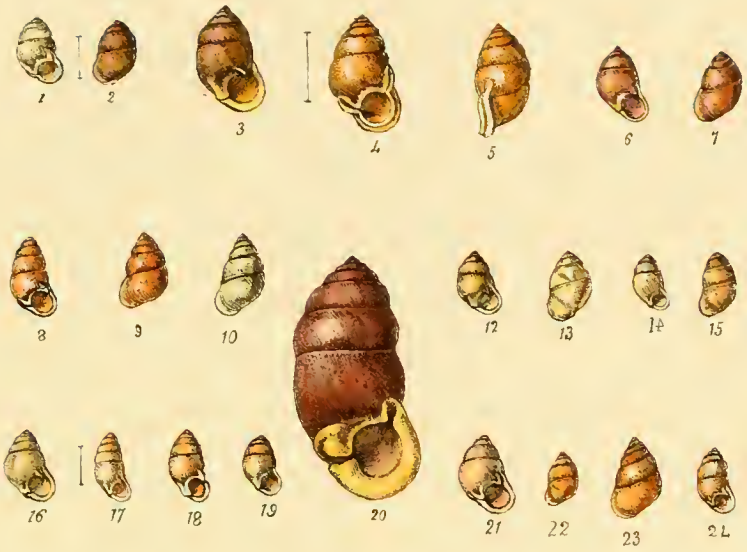
9. AMBIGUUM, *Semper*. Island of Luzon, Philippines.
10, 11. PELLUCIDUM, *Sowb.* Island of Zebu, Philippines.
12, 13. CUMINGIANUM, *Pfr.* New Caledonia.
14, 15. COMPLANATUM, *Pease.* Kingsmill Group, Pacific.

RAPHAULUS, etc.

1. ARINIA MINUS (Cyclostoma), *Sowb.* Island of Panay.
2. RAPHAULUS BLANFORDI, var.? Sikkim.
3, 4. R. BOMBYCINUS, *Pfr.*
5. R. LORAINII, *Pfr.* Pulo Penang.
6, 7. R. CHRYSALIS, *Pfr.* Siam.
8, 9. R. BLANFORDI (Strephaulus), Sikkim.

PUPINIDÆ III.

*Pupina and Pupinella*




*Callia.*

# HELICINA.—Plate I.

(Second Monograph.)

(Principally from the late Mr. Cuming's Collection.)

The immense increase in the number of species since the publication of the First Monograph, has induced the author to present the second. Only seventy-two species having been figured in the three early plates, it appeared better to repeat those few in endeavouring to arrange the species in suitable order for comparison. These repeated figures will be found compensated by extra plates in the present double part.

Figs.

1, 2, 3. Briaræa, *Poey*, Mem. p. 109. t. 10. f. 9–12. Var. f. 3, *ciliata*, Poey; var.? f. 1, *fossulata*, Poey. emoda, *Pfr.* Cuba.

4. Titanica, 2, *Poey*, Mem. p. 110. t. 11. f. 13–16. Cuba.

5. Sagraiana, (and f. 447) 3, *Orb.* Sagra, *Orb.*, Thes.; *Jeannereti*, Pfr.? Cuba.

6. Bastidiana, 4, *Poey*, Mem. p. 416. Cuba.

7. Bayamensis, 5, *Poey*, Mem. p. 416. Cuba.

8. Cataliniana, 6, *Pfr.*, Malak. Bl. iii., 1856. Cuba.

9, 10. pulcherrima, 7, *Lea. erassa*, Orb.; rubro-cincta, *Poey*. Cuba.

11, 12, 13. submarginata, 8, *Gray*, Zool. Journ. i. p. 68. t. 6, f. 11. *rubra*, Pfr. Cuba.

14. festiva, 9, *Sby.*, Zool. Beech. Voy., p. 145. t. 38. f. 23. Hab. ——?

15, 16. silacea, 10, *Morelet*, Test. Nov. p. 20. Cuba. The beautifully coloured specimen Mr. Taylor's.

17. ochracea, 11, *Poey*, Mem. p. 112. t. 11. f. 1–4. Cuba.

18, 19. major, 12, *Gray*, Z. J. i. p. 68. t. 6. f. 10. Var. *Gossei*, Pfr.; var. f. 18, *nobilis*, C. B. Ad. Jamaica.

20, 21, 22. Brownii, 13, *Gray*, Z. J. i. p. 69. Var. f. 21, *hirsuta*, Ad.; var. f. 22, *Hollandi*, Ad. Jamaica.

23. palliata, 14, *C. B. Ad.*, contrib. Var. *citrinolabris*, C. B. Ad.; var. *albolabris*, C. B. Ad.; var.? *consanguinea*, C. B. Ad. Jamaica.

24, 25. rhamphostyla, 15, *Pfr.*, Pro. Z. Soc., 1856. Hab. ——?

26, 27. microstoma, 16, *C. B. Ad.*, Lyc. N. York. Jamaica.

28, 29. dissimulans, 17, *Poey*, Mem. ii. p. 35. t. 4. f. 6, 7. Cuba.

30, 31. macilenta, 18, *C. B. Ad.*, Contrib. to Conch. Jamaica.

32. velutina, 19, *Poey*, Mem. ii. p. 35. t. 4. f. 6, 7. Cuba.

33, 34. hispida, 20, *Pfr. dentigera*, Orb.; Sowb. Thes. f. 107, 108. W. Indies.

Thes. Zool.

B. Sowerby

Figs.

35, 36. RUBELLA, 21, *Pfr.*, Pro. Z. Soc., 1853. St. Thomas.

37, 38. MINIMA, 22, *Orb.*, Moll. Cub. i. p. 253. St. Thomas.

39. EXSERTA, 23, *Gundl.*, Pfr. Malak. Bl., 1858. Cuba.

40, 41. SOLITARIA, 24, *C. B. Ad.*, Pro. Bost. Soc. Var.? *Guildingiana*, Pfr. Jamaica.

42. ORESIGENA, 25, *Orb.*, Synopsis, p. 28. Bolivia.

43. NITIDA, 26, *Pfr.*, Wiegm. Arch., 1839. Var.? *glabra*, Gould. Cuba.

44. SPRUCEI, 27, *Pfr.*, Pro. Z. Soc., 1857. Tarapota, Andes.

45. ELECTRINA, 28, *Pfr.*, Pro. Z. Soc., 1859. Aroo Isl., East Seas.

46, 47, 48. MEGASTOMA, 29, *C. B. Ad.*, Contrib. Conch. Var.? *affinis*, C. B. Ad., Pro. Bost. Soc. ii., 1846. Jamaica.

49. LACINIOSA, 30, *Mighaels*, Pro. Bost. Soc., 1845. Sandwich Isl.

50. INCRUSTATA, 31, *Gundl.*, Pfr. Malak., 1859. Yatteras, Cuba.

51, 52. ROTUNDA, 32, *Orb.*, Moll. Cub. p. 252. Cuba.

53. SUCCINEA, 33, *Pfr.*, Zeitsch. Malak., 1850. St. Domingo.

54, 55. RETRACTA, 34, *Poey*, Mem. i. p. 116. t. 12. f. 22–26. Cayajabos, Cuba.

56, 57. SUBFUSCA, 35, *Menke*, Syn. p. 79. Var. *rotellina*, Pot. et Mich.; var. *Hornbeckii*, Phil. Porto Rico.

58, 59. DUBIOSA, 36, *C. B. Ad.*, Contr. Conch. 6. p. 93. Jamaica.

60, 61. INTUSPLICATA, 37, *Pfr.*, Pro. Z. Soc., 1850. Hab. ——?

62. MAXIMA, 39, *Sowb.*, Pro. Z. Soc., 1842. Jamaica.

63, 64. LITTORALIS, 38, *Gundl.* Barraccas, Cuba.

65, 66. ALATA, 41, *Menke.* Cordova, Vera Cruz.

67. NICHOLETTI, 40, *Shuttl.*, Bern. Mitthcil., 1852. Vera Cruz.

68, 69. PANNUCEA, 42, *Morelet.* Vera Cruz.

70. STRIATULA, 43, *Sowb.*, Pro. Z. Soc., 1842. Martinique.

71, 72. ADAMSIANA, 44, *Pfr.*, Pro. Z. Soc., 1848. Jamaica.

73, 74. LEANA, 45, *C. B. Ad.*, Pro. Bost. Soc., 1845. Jamaica.

75. DEPRESSA, 46, *Gray*, Z. J. i. p. 69. Jamaica.

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## HELICINA.—Plate III.

Figs.

76. Behaniana, 47, *Pfr.*, Pro. Z. Soc., 1859, p. 29. Nicobar Isl.

77, 78. coronula, 48, *Shuttlew.*, Pfr. Mal. Bl. ix. f. 1862. Jamaica.

79, 80. plicatula, 49, *Pfr.*, Pro. Z. Soc., 1848. Martinique.

81, 82. vinosa, 50, *Shuttl.*, Diagm. Porto Rico.

83, 84. rugosa, 51, *Pfr.*, Wiegm. Arch. f. Nat. Trinidad.

85. lineata, 55, *C. B. Ad.*, Pro. Bost. Soc. Jamaica.

86. semistriata, 54, *Sowb.* Hab. —— ?

87. unidentata, 52, *Pfr.*, Pro. Z. Soc., 1848. p. 125. Honduras.

88, 89. lirata, 53, *Pfr.*, Zeitsch. 1847. Yucatan.

90, 91. tridens, 59, *Shuttlew.*, —— ? Jamaica.

92, 93. undulata, 57, *Pfr.*, Malak. Bl. viii. Jamaica.

94. Aureola (and f. 479), 56, *Fer.*, Prodr. n. 90. Jamaica.

95. inæqualis, 58, *Pfr.*, Pro. Z. Soc., 1859. p. 28. Jamaica.

96. sinuosa, 60, *Pfr.*, Zeitsch. f. Malak., 1850. Mexico.

97. crassicostata, 61, *Sowb.* Hab. —— ?

98. virginea, 62, *Lea*, Obs. i. p. 162. t. 19. f. 58. *ampullina*, Fer. Cuba.

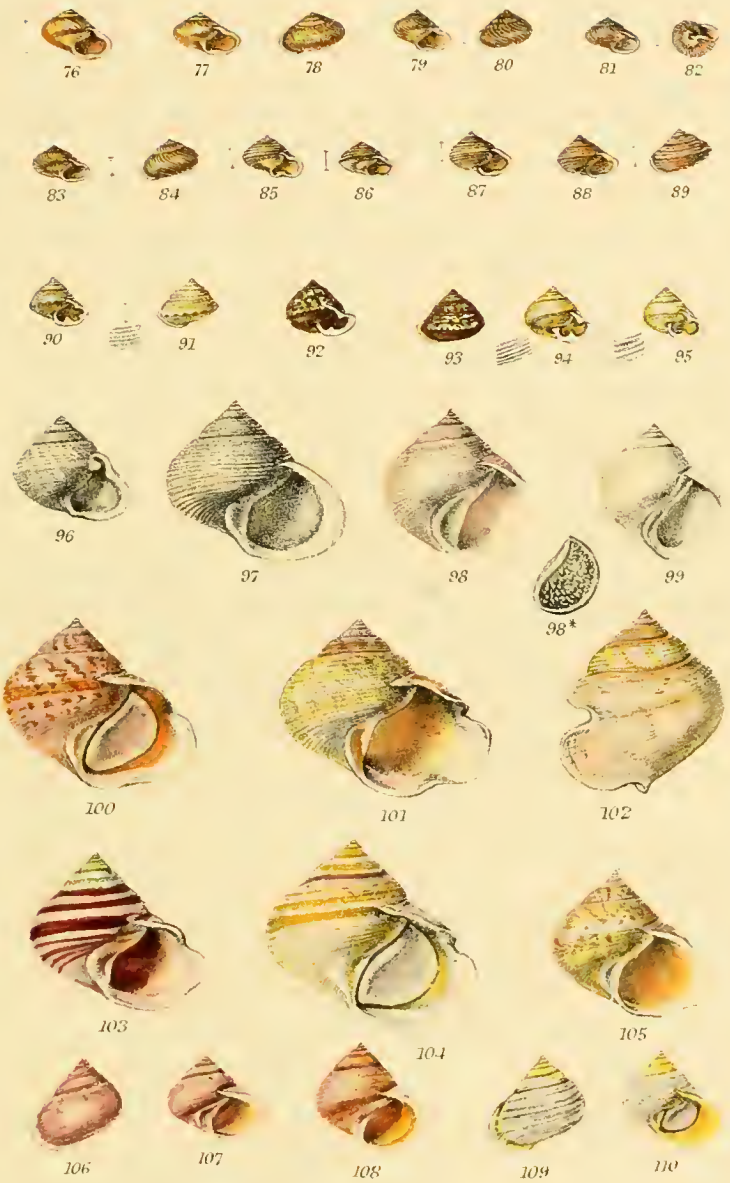
99. globosa, 63, *Gray*, Beech. Voy. 145. Haiti.

100–105. regina, 64, *Morelet*, Test. Nov. n. 19. Var. f. 104. *unguiculata*, Poey; var. *multistriata*, Velasquez; *maculosa*, Newcombe. Cuba.

106, 107. excavata, 65, *Pfr.*, Pro. Z. Soc., 1855. p. 101. Hab. —— ?

108. remota, 66, *Poey*, Mem. ii. p. 27. t. 8. f. 26. Cuba.

109, 110. chrysostoma, 67, *Shuttlew.* —— ? Cuba.

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## HELICINA.—Plate IV.

Figs.

111–114. Sloanei, 68, *Orb.*, Moll. Cub. i. p. 248. *Gouldiana*, Pfr. Zeitsch. f. Malak., 1850; var.? *luteo-apicata*, Poey; var.? *luteo-punctata*, Poey. Cuba.

115, 116. politula, 69, *Poey*, Mem. i. p. 113. t. 5. f. 4–6. Cuba.

117, 118. calida, 70, *Weinl.* Bahamas.

119, 120. tricarinata, 73, *Sowb.* Hab. —— ?

121, 122. littoricola, 71, *Gundl.*; Pfr. Malak. Bl. vii., 1860. Cuba.

123. costata, 72, *Gray*, Z. J. i. p. 67. t. 6. f. 6. Jamaica.

124, 125. semilirata, 74, *Pfr.*, Pro. Z. Soc., 1848. Venezuela.

126, 127, 128. pulchella, 76, *Gray*, Z. J. i. p. 64. *scitula*, Wood; var. f. 128, *Grayana*, Pfr.; var. *dilatata*, Poey. Jamaica.

129. Tankervillii, 75, *Gray*, Z. J. i. p. 250. Jamaica.

129*, 130. opima, 78, *Shuttlew.*, Diag. N. Moll. iii. p. 42. Haiti.

131. Chittyana, 77, *Pfr.*, Pro. Z. Soc., 1857. Cuba.

132, 133. Petitiana, 79, *Orb.*, Moll. Cub. i. p. 247. Cuba.

134, 135. Trochlea, 80, *Gould*, Pro. Bost. Soc., 1847, p. 202. Isl. Aurora.

136, 137. petrosa, 81, *Gundl.*; Pfr. Malak. Bl. iv., 1857. Cuba.

138. capillacea, 82, *Pfr.*, Malak. Bl. iv., 1857. Cuba.

139, 140. elegantula, 83, *Pfr.*, Zeitsch. Malak., 1850, p. 76. Haiti.

141, 142. rubicunda, 85, *Gundl.*; Pfr. Malak. Bl. iv., 1857. Cuba.

143, 144. rupestris, 84, *Pfr.*, Wiegmann's Arch. f. Nat., 1839. Cuba.

145. elegans, 86, *Orb.*, Moll. Cuba. *conica*, Pfr. Zeitsch. f. Malak., 1848. Cuba.

146. callosa, 87, *Poey*, Mem. i. p. 432. t. 33. f. 13–15. Cuba.

*Thes. 269.*

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*G. B. Sowerby*

## HELICINA.—Plate V.

Figs.

147. SCOPULORUM, 88, *Morel.*, Cub. Test. Nov. p. 20. Cuba.

148–151. COLUMELLARIS, 89, *Gundl.*; Poey, Mem. ii. p. 14. t. 1. f. 19. *Blandiana*, Gund. *acuminata*, Vel. Cuba.

152, 153. FESTA, 90, *Gundl.*; Poey, Mem. Cuba.

154–156. JUGULATA, 91, *Poey*, Mem. Cub. ii. p. 34. t. 4. f. 3, 4.

157. PYRAMIDALIS, 92, *Sowb.*, Thes. f. 104. Cuba.

158. ELONGATA, 93, *Orb.*; Sowb. Thes. Cuba.

159. TROCHULINA, 94, *Orb.*, Moll. Cub. i. p. 249. Cuba.

160–162. CHRYSOCHASMA, 99, *Poey*, Mem. Cub. i. t. 25. f. 17–19. Cuba.

163–165. EXACUTA, 101, *Poey*, Mem. i. p. 114. *straminea*, Mor. Test. Noviss. Cuba.

166, 167. RUBROMARGINATA, 100, *Gundl.*; Poey, Mem. ii. p. 15. Cuba.

168, 169. CONOIDEA, 102, *Pfr.*, Pro. Z. Soc., 1853. p. 53. Barbadoes.

170. DECLIVIS, 104, *Gundl.*; Pfr. Malak. Bl. vii., 1860. Cuba.

171, 172. ROTELLOIDEA, 109, *Migh.*, Pro. Bost. Soc., 1845. Sandwich Islands.

173, 174. SANDVICHENSIS, 105, *Souleyet*, Voy. Bonite, Moll. t. 30. f. 1–5.

175, 176. RUDIS, 106, *Pfr.*, Pro. Z. Soc., 1855. p. 102. Hab. ——?

177, 178. UNICARINATA, 107, *Sowb.* Hab. —— ? Mr. Cuming's Collection.

179, 180. TURBINELLA, 108, *Pfr.*, Pro. Z. Soc., 1855. Sydney.

181–183. ANTONI, 110, *Pfr.*, Zeitsch. f. Malak., 1848. p. 88. Honduras.

184. INCONSPICUA, 111, *Pfr.* —— ? Hab. —— ? Cuming's col. so named.

185. SUBFURRITA, 103, *Sowb. vestita*, Thes. Hab. —— ?

186, 187. CORNEA, 112, *Sowb.*, Thes. f. 35, 36. Hab. —— ?

188. MINUTA, 113, *Sowb.*, Pro. Z. Soc., 1842, *vide* f. 351, 352. Isl. Opara.

189. VESTITA, 114, *Guild.*; Sowb. Thes. f. 42. N. America.

190, 191. MULTICOLOR, 115, *Gould*, Pro. Bost. Soc. Tahiti, Tongatabou.

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## HELICINA.—Plate VI.

Figs.

192, 193. OLEOSA, 116, *Pfr.*, Pro. Z. Soc., 1852. Haiti.

194. FLAMMEA, 117, *Quoy*, Astr. ii. p. 193. t. 12. f. 1–2. Isl. Tonga.

195, 196. BORNEENSIS (and f. 211, 212), 118, *Martens*, Monatsch. Berl. Akad., 1864. Borneo.

197, 198. PICTELLA, 119, *Pfr.*, Pro. Z. Soc., 1856. Norfolk Island.

199, 200. DRAYTONENSIS, 120, Pro. Z. Soc., 1856. Australia.

201, 202. REEVIANA, 121, *Pfr.*, Pro. Z. Soc., 1848. Cuba.

203. ARENICOLA, 122, *Mort.*, Test. Nov. Cub. i. p. 21. Cuba.

204, 205. PHASIANELLA, 123, *Pfr.*, Malak. Bl. iii., 1856. Porto Rico.

206. "VESTITA," Thes. An Helix, test. jun.?

207–209. CINGULATA, 124, *Gray*, Pro. Z. Soc., 1852. Haiti.

210. PARVA, 125, *Sowb.*, Pro. Z. Soc., 1842. Philippines.

211, 212. GUNDLACHI, 126, *Pfr.*, Malak. Bl. iii., 1856. Porto Rico.

213, 214. DYSONI, 127, *Pfr.*, Pro. Z. Soc., 1848. Var.? *foveata*, Pfr., f. 217, 218. Honduras, Isl. St. Thomas.

215, 216. CONVEXA, 128, *Pfr.*, Pro. Z. Soc., 1848; also figures 319, 320, 321, 473. Bermuda.

217, 218. DYSONI, var. fovcata, *vide* f. 213, 214. Isl. St. Thomas.

219, 220. HANLEYANA, 134, *Pfr.*, Pro. Z. Soc., 1848. New Orleans.

221, 222. MODESTA, 139, *Pfr.*, Pro. Z. Soc., 1853. New Hebrides.

223, 224. OCCULTA, 137, *Sowb.*, Transyl. Journ. of Med. iv. p. 529. N. America.

225. ORBICULATA, 135, *Sowb.*, Phil. Journ. i. p. 283. N. America.

226. SUBCONICA, 140, *Sowb.*, Cuming's Coll. Hab. —— ?

227, 228. JAPONICA, 136, *A. Ad.*, Ann. and Mag. Nat. Hist., Aug., 1861. Japan.

229, 230. CONCINNA, 138, *Gundl.*, Malak. Bl. iv., 1857. Cuba.

# HELICINIDÆ VI.

Thes. 271.

W West, imp

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## HELICINA.—Plate VII.

Figs.

231, 232. RETICULATA, 141. *Pfr.*, Pro. Z. Soc., 1862. Cape Flattering.

233–236. FLAVIDA, 142, *Menke*, Syn. ed. ii. p. 79, var.? *tropula*, Mor.? Guatemala.

207, 208. PARAENSIS, 143, *Pfr.*. Pro. Z. Soc., 1859. Para, Brazil.

239, 240. NOTATA, 144. *Sallé*, Pro. Z. Soc., 1856. Mexico.

241, 242. OWENIANA, 145, *Pfr.*, Pro. Z. Soc., 1848. Mexico.

243, 244. MERDIGERA, 146, *Sallé*, Pro. Z. Soc., 1855. Mexico.

245. PELLUCIDA, 147, *Sowb.*, Thes. f. 40. French Guiana.

246, 247. SPECTABILIS, 148. *Gundl.*; Poey, Mem. Cub. ii. p. 5. Cuba.

248. CONTINUA, 149, *Gundl.*; *Poey*, Mem. Cub. ii. p. 6.

249, 250. POLYCHROA, 150, *Pfr.* —? Cum. Cat. Cuba.

251, 252. ALTA, 151, *Sowb.* Porto Rico.

253, 254. HELOISÆ, 152, *Sallé*; Pfr. Pro. Z. Soc., 1856. Mexico.

255–257. CHIAPENSIS. 154, *Pfr.*, Pro. Z. Soc., 1856. Mexico.

258–260. LINDENI (and f. 270, 469), 153, *Pfr.*, Zeitsch. f. Mal., 1847, p. 126. Mexico.

261–263. COLUMBIANA, 155, *Phil.*; Pfr. Monog. 186. Columbia.

264, 265. CORDILLERÆ, 156, *Sallé, ms.*; Pfr. Pro. Z. Soc. 1856, and f. 270. Mexico.

# HELICINIDÆ VII.

*Thes. 272.*

*W.West, imp.*

*G.B.Sowerby.*

## HELICINA.—Plate VIII.

Figs.

266–269. Zephyrina, 157, *Duclos;* Guérin, Mag. Nat. Hist., 1833. Var.? *tropica,* Chemn.; *ambeliana?* Sowb. Thes. Texas.

270. cordilleræ, 156, *Sallé,* vide 264, 265. Mexico.

271. Funckii, 158, *Pfr.,* Pro. Z. Soc., 1848. *purpureo-flava,* Morelet. New Granada.

272. egregia, 159, *Pfr.,* Pro. Z. Soc., 1855. Isl. Salmon.

273. vernalis, 160, *Mort.* Test. Nov. Cub. i. p. 20. Guatemala.

274. Tamsiana, 161, *Pfr.,* Zeitsch. f. Malak., 1850. Venezuela.

275. globulosa, 185, 190, *Orb.,* Moll. Cub. p. 254. Cuba. Vide f. 454.

276–278. turbinata, 162, *Wiegm.;* Menke, Syn. Var. *Deppeana,* Mar.; *Brendti,* Pfr.? Mexico.

279, 280. rostrata, 163, *Morelet,* Test. Nov. ii. p. 17. *Salvini,* Tristram. Vera Paz.

281. denticulata, 164, *Pfr.* Pro. Z. Soc., 1855. Honduras.

282, 283. Cumingii, 165, *Pfr.,* Pro. Z. Soc., 1848. St. Domingo.

284. 285. Kieneri, 166, *Pfr.,* Pro. Z. Soc., 1848. Caraccas.

286, 287. subglobulosa, 167, *Poey,* Mem. p. 115. Florida.

288–290. neritella, 168, *Lamb,* Hist. Nat. Jamaica.

291, 292. Jamaicensis, 169, *Sowb.,* Thes. t. 1, f. 3, 4. Jamaica.

293, 294. aurantia, 170. *Gray,* Z. J. i. p. 67. *pyrrhostoma,* Menke. Jamaica.

295, 296. coccinostoma, 171, *Morelet,* Test. Noviss. i. p. 19. *Oweni* var., *Pfr.* Tabasco, Peru.

# HELICINIDÆ VIII.

*Thes. 273.*

266 267 268 269 270

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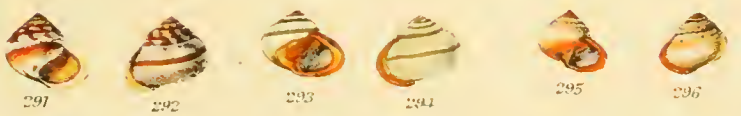


291 292 293 294 295 296

*W. West imp.* *G.B. Sowerby.*

## HELICINA.—Plate IX.

Figs.

297–299. ADSPERSA, 173, *Pfr.*, Wiegm. Arch. f. Nat., 1839. *variegata*, Orb.; *ornata?* Thes. Cuba.

300, 301. AMPLIATA, 174, *C. B. Ad.*, Contrib. Concl. n. 7. p. 101. Jamaica.

302, 303. SPHEROIDA, 175, *Pfr.*, Pro. Z. Soc., 1855. Loyalty Isl.

304. PISUM, 177, *Phil.*, Zeits. f. Mal., 1847, p. 124. Sandwich Isl.

305–308. BELLULA, 178, *Gundl.*; Pfr. Malak. Bl. vi., 1859, p. 79. Var. *suturalis*, Gundl; var. *perispherica?*; var. *Yungnensis?* Cuba.

309. TILEI, 179, *Pfr.*, Zeits., 1847, p. 150. Brazil.

310, 311. PLATYCHEILA, *Mühlf.*, Verl. Berl. Gesch. 1. i. 219. t. 3. f. 11. *unicolor*, Pot. et Mich. Martinique, Cuba.

312–314. FASCIATA, 129, *Lam.*, Hist. Nat. vi. n. 3. *picta*, Fer. Guadaloupe.

315. CONVEXA, see f. 319, 320, 321.

316. KEATEI, 130. *Pfr.*, Pro. Z. Soc., 1856. Granada.

317, 318. POEYI, 131, *Pfr.*, Malak. Bl. vi., 1859. Yateras, Cuba.

319–321. CONVEXA, 128, and f. 319, 321, *Pfr.*, Pro. Z. Soc., 1848, v. 315. Bermuda.

322, 323. TÆNIATA, 132, *Quoy*, Voy. Ast. Zool. ii. p. 194. Vanikoro.

324–326. CRASSILABRIS, *Phil.*, Zeits. f. Malak., 1847. Venezuela.

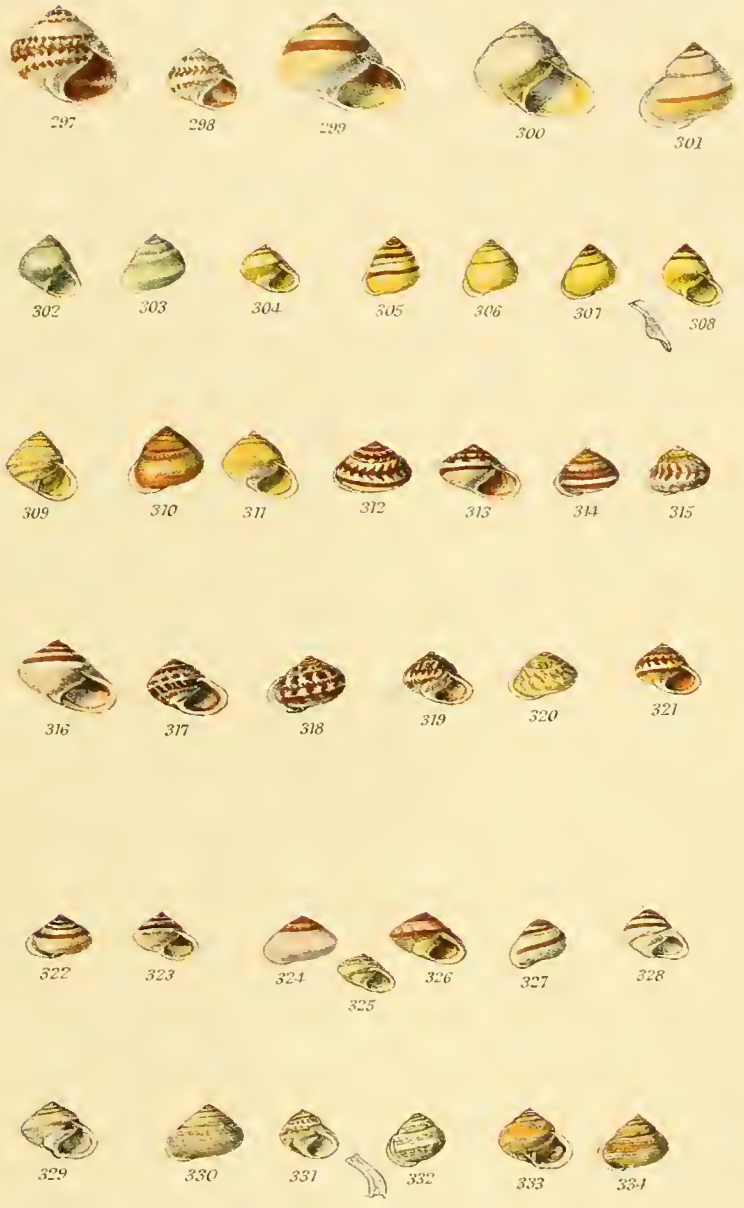
327, 328. REPANDA, 183, *Pfr.*, Pro. Z. Soc., 1855. Hab.?

329, 330. FULVA, 184, *Pfr.*, Pro. Z. Soc., 1855. Hab.?

331, 332. SUBSTRIATA, 130, *Gray*. *sordida*, King. Cuba.

333, 334. BRASILIENIS, 185, *Gray*, Z. J. i. p. 66. Brazil.

Thes. 274

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## HELICINA.—Plate X.

Figs.

335, 336. Idæ, 187, *Pfr.*, Pro. Z. Soc., 1856, p. 339. Cerum.

337, 338. Macgillivrayi, 188, *Pfr.*, Pro. Z. Soc., 1855. Isl. of Pines, S. Seas.

339, 340. sublævigata, 189, *Pfr.*, Pro. Z. Soc., 1852. New Hebrides.

341. diaphana, 196, *Pfr.*, Pro. Z. Soc., 1850. Honduras.

342, 343. Yorkensis, 191, *Pfr.*, Pro. Z. Soc., 1862. Cape York.

344. Forbesiana, 192, *Pfr.*, Pro. Bost. Soc., 1859. *verecundia ?* Loo-Choo.

345. fumigata, 193, *Sowb. Gouldiana*, Forbes. Cape Flattery.

346, 347. Orbignyi, 194, *Pfr.*, Mon. n. 65. Cuba.

348. An Helix, Test. Jun.? *proxima*, Gundl.

349, 350. louisadensis, 198, *Forbes*, Voy. Rattlesnake. Round Island.

351, 352. minuta, 113, *Sowb.*, Pro. Z. Soc., 1842. Opara Isl.

353. gratiosa, 201, *Pfr.*, Pro. Z. Soc., 1856. Admiralty Isl.

354–356. polita, 202, *Sowb.*, Pro. Z. Soc., 1842. *citrina*, Pfr. var. Grateloup. Philippines.

357. Crossei, 204, *Semper*. Isl. Luzon, Philippines.

358. rotella, 205. *Sowb.*, Thes. n. 57. t. 3. f. 135, 136. N. Hebrides.

359–361. Antillarum, 208, *Sowb.*, Thes. n. 29. t. 2. f. 68-70. Antilles.

362. Guadaloupensis, see f. 366, 367.

363. similis, 210, *Sowb.*, Thes. f. 130. Pro. Z. Soc., 1842. Haiti.

364, 365. sanguinea, 211, *Pfr.*, Pro. Z. Soc., 1848. Honduras.

366, 367. Guadaloupensis, 209, *Sowb.*, Thes. f. 65. Var. *rufa*, Pfr., see f. 362. Guadaloupe.

368. Salleana, 212, *Pfr.*, Pro. Z. Soc., 1852. Haiti.

369, 370. striata, 181, *Lam.*, Hist. Nat. Helicina ? Porto Rico.

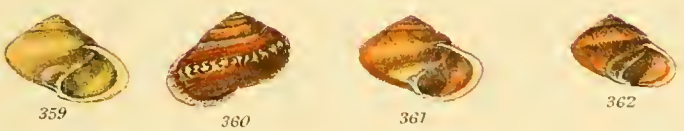
*Thes. 275.*

335 336 337 338 339 340 341

342 343 344 345 346 347

348 349 350 351 352 353

354 355 356 357 358



359 360 361 362

363 364 365

366 367 368 369 370

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## HELICINA.—Plate XI.

Figs.

371. HUMILIS, 217, *Hom. et Jacq.*, Voy. Pôl. Sud, Moll. t. 11. f. 36–39. Hogolu.

372. BERYLINA, 214, *Gould*, Pro. Bost. Soc., 1847. Fiji Isl.

373, 374. NORFOLKENSIS, 215, *Pfr.*, Pro. Z. Soc., 1855. Norfolk Island.

375. TENUILABRIS, 216, *Sowb.* Hab.? Mus. Cuming.

376. SUBOVALIS, 198, *Sowb.* Mus. Nostr.; Jamaica.

377. ZOÆ, 212, *Pfr.*, ined. enlarged. Cuba.

378. NODÆ, 206. Arango.

379. VIRIDIS, 242, *Lam.*, Hist. Nat. vi. n. 4. Mus. Brit.; Northampton; Wallace, St. Domingo.

380. AURANTIO-VIRIDIS, 199, *Sowb.*, as viridis in Cum. coll.

381, 382. NICOBARICUS, 233, *Phil.*, Zeitsch. f. Mal., 1847. *Merguiensis*, Pfr. *Andamanica*, Benson. Siam, Andaman's Isl.

383. AMŒNA, 219, *Pfr.*, Pro. Z. Soc., 1848. *purpureo-flava*, Morelet. Honduras Bay.

384, 385. OCCIDENTALIS, 220, *Guild.*, Trans. Linn. Soc. p. 339.

386, 387, 388. VARIABILIS, 222, *Wagner*, Spix, Brazil, p. 25. *zonata*, Sowb. *fasciata*, Spix. *flava*, Spix. Brazil.

389, 390. CINCTELLA, 225, *Shuttlew.*, Bern. Mitth., 1852. Cordova.

391, 392. VIRENS, 226, *Pfr.*, Pro. Z. Soc., 1856. Hab.?

393, 394. ROHRI, 227, *Pfr.*, Pro. Z. Soc., 1848. *marchionessa*, Hombr.

395. MAUGERIÆ, 231, *Gray*, Z. J. i. p. 251. Marquesas.

396, 397. UBERTA, 228, *Gould*, Pro. Bost. Soc., 1847. Sandwich Isl.

398, 399. SOLIDULA, 229, *Gray*, Zool. Beech. Voy. p. 146. Marquesas.

400. ALBOLABRIS, 230, *Hom. et Jacq.*, Voy. Pôl. Sud, Moll. Tahiti.

401, 402. CORRUGATA, 236, *Pease?* Tahiti.

403. ALBOCINCTA, 235, *Hom. et Jacq.*, Voy. Pôle Sud, Moll. Aru Isl.

404. PALLIDA, 234, *Gould*, Pro. Bost. Soc., 1847. Fiji Isl.

405. UNIFASCIATA, 186, *Gray*, Z. J. i. p 69.

406. LENS, 232, *Lea*, Obs. i. p. 161. Fiji Isl.

407, 408. VILLOSA, 237, *Ant. pilosa*, Sowb. Isl. Opara.

# HELICINA XI.

*Thes. Pl. 276*

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## HELICINA.—Plate XII.

Figs.

404*, 405*. SUTURALIS, 238, *Martens*, Monatsb. Berlin Ak., 1864. Amboyna, Ceram.

406*. SHANGHAENSIS, 239, *Pfr.*, Pro. Z. Soc., 1855. Royalty Isl.

407*, 408*. ZEBRIOLATA, 240, *Pfr.*, Pro. Z. Soc., 1855. *fulgora*, Gould. Isl. Samar.

409, 410. ARTICULATA, 241, *Pfr.*, Pro. Z. Soc., 1853. New Hebrides.

411. BICOLOR, 243, *Pfr.*, Pro. Z. Soc., 1853. Tahiti.

412, 413. RHODOSTOMA, 244, *Gray*, Z. J. i. p. 68. Hab.?

414. ANGULATA, 245, *Sowb.*, Thes. n. 60. Brazil.

415. GONOCHEILA, 246, *Pfr.*, Pro. Z. Soc., 1848. Venezuela.

416, 417. SPINIFERA, 247, *Pfr.*, Pro. Z. Soc., 1855. Solomon's Isl.

418. SOWERBYANA, 221, *Pfr.*, Pro. Z. Soc., 1848. Guatemala.

419, 420. MOQUINIANA, 248, *Recl.*, Journ. Conch., 1851. p. 212. t. 5. f. 8. N. Caledonia.

421. OXYRHYNCHA, 259, *Crosse*, Journ. vol. xi. p. 266. Hab.?

422. TAYLORIANA, 249, *Sowb.*, Hab.? Mus. Taylor.

423, 424. CARINATA, 255, *Orb.*, Thes. New Granada.

425, 426. SUAVIS, 250, *Pfr.*, Pro. Z. Soc., 1856. Admiralty Isl.

427, 428. CONCENTRICA, 251, *Pfr.*, Pro. Z. Soc., 1848. Venezuela.

429, 430. RHYNCHOSTOMA, 252, *Shuttlew.?* Venezuela.

431. CARINATA, 253, *Orb.*, Moll. Am. Mer. *Fischeriana*, Montrouzier. Woodlark Isl.

432. GHIESBREGHTI, 223, *Pfr.*, Pro. Z. Soc., 1856. Chiape, Mexico.

433. BESCKII, 224, *Pfr.*, Pro. Z. Soc., 1856. Brazil.

434. TECTA, 256, *Sowb.* Hab.? Mus. Cuming.

435. ARUANA, 257, *Pfr.*, Pro. Z. Soc., 1859. Aru Isl.

436. ROSALIÆ, 258, *Pfr.*, Pro. Z. Soc., 1863. Philippines.

437–439. ACUTISSIMA, 260, *Sowb.*, Pro. Z. Soc., 1842. Philippines.

440. TROCHIFORMIS, 261, *Sowb.*, Pro. Z. Soc., 1842. Isl. Negroes, Philippines.

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## HELICINA.—Plate XIII.

Figs.

441, 442. CAROCOLLA, 263, *Moricand*, Mem. Gen. vii. p. 444. Brazil.

443. OXYTROPIS, 262, *Gray*, Beech. App. *oxystoma*, Thes. Bahia.

444, 445. LAZARUS, 265, *Sowb.*, Pro. Z. Soc., 1842, Philippines.

446, 447. AGGLUTINANS, 264, *Sowb.*, Pro. Z. Soc., 1842. Philippines.

448. MOUHOTI, 266, *Pfr.*, Pro. Z. Soc., 1862. Lao Mountains, Cambogia.

449. JOSEPHINÆ, 267, *C. B. Ad.*, Contr. Conch. n. i. p. 27. Jamaica.

450. CONSTELLATA, 268, *Morelet*, Revue Zool., 1847, Pagoda, Vel.

451. STELLATA, 269, *Velasq.*, Jay, Cat., 1850.

452. HÆMASTOMA, 172, *Moric.*, Mem. iii. p. 36. Bahia.

453. CITRINA, 203, *Grat.* not *Pfr.*, not *polita*, Sowb. Cuba.

454. GLOBULOSA, 190, *Orb.*, Moll. Cub. p. 245. Cuba.

455. BULLA, 207, *Pfr.*, Pro. Z. Soc., 1852. Hab. ——?

456. LUTEA, 176, *Lesson*, Voy. Coq. p. 350. Port Dory, New Guinea.

457. GRATULATA, 254, *Blandf.?* Pegu.

458–460. JUCUNDA, 98, *Gundl.*, Pfr. Malak. Bl. x. 1863, p. 197.

461–463. ERYTHRÆA, 95, *Wright?* Var. f. 3, *rubella*, Wr.? Cuba.

464. ALBOVIRIDIS, 96, *Wright?* Cuba.

465, 466. FUSCULA, 96, *Gund.?* Cuba.

467 (and f. 274). TAMSIANA, 161, *Pfr.*, Zeitsch. f. Malak., 1850. Venezuela.

468. GRANUM, 270, *Pfr.*, Malak. Bl. iii. 1856. Cuba.

469. LINDENI, 152, *Pfr.*, Pro. Z. Soc., 1848. Mexico.

470, 471. CASTANEA, 218, *Guild.*, Thes. n. 67, f. 13. St. Thomas, Porto Rico.

472. MACULATA, 271, *Sowb.*, Thes. n. 32. f. 131. South America.

473. CONVEXA, 128, *Pfr.*, Pro. Z. Soc., 1848. Bermuda.

474, 475. BRAZILIENSIS, 185, *Gray*, Z. J. i. p. 64. Brazil.

476. HJALMARSONI, 200, *Pfr.*, Malak. Bl. iii., 1856, p. 60. Porto Rico.

477. SAGRAINA, 3, *Orb.*, vide f. 5. Jamaica.

478. MAJOR, 12, *Gray*, vide f. 18, 19. Jamaica.

479. AUREOLA, 56, *Fer.*, vide f. 94. Jamaica.

# HELICINA XIII.

*Thes. 278.*

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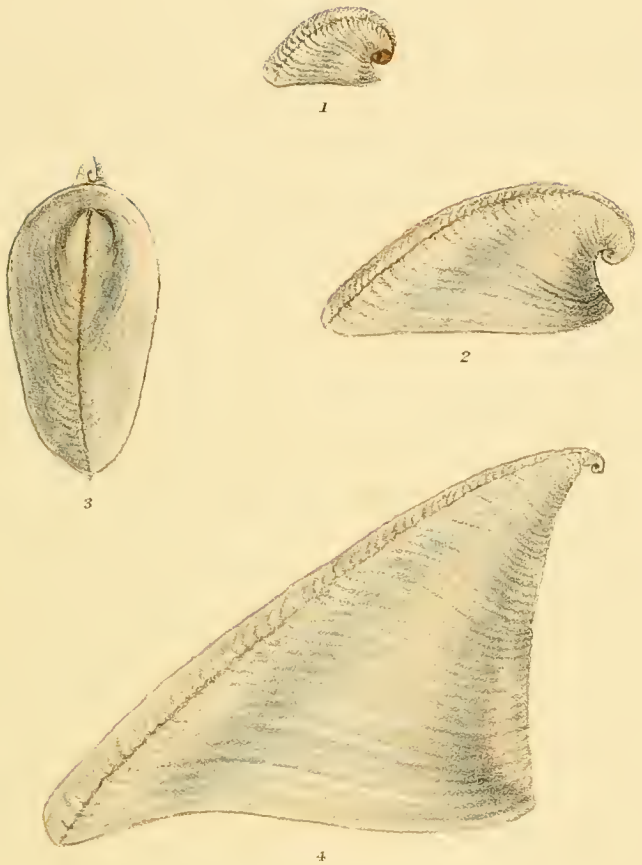
# CARINARIA.

*Thes 279.*



*1*

*2*

*3*

*4*

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*G.B.Sowerby.*

# DONAX.—Plate I.

(The greater part of the shells figured are kindly lent by T. Lombe Taylor, Esq.)

Fig.

1, 2, 3. Scortum. 1. *Linn.*, Syst. Nat. Test. Jun. *pubescens*, Linn. Cape of Good Hope.

4, 5. carinatus. 2. *Hanley*, Pro. Z. Soc. 1843. California.

6, 7, acuticarinatus. 3. *Sowb.*, Thes. Siam.

8. Owenii. 7. *Gray*, Rve. Icon. 37. West coast, Africa.

9. scalpellum. 4. *Gray*, Annals Ph.; Rve. Icon. 39. California.

10. acutangulus. 5. *Desh.*, Pro. Z. Soc. 1854. Mouth of Gaboon, W. Africa.

11. transversus. 6. *Sowb.*, Tank. Cat. App.; Rve. Icon. 36. Hab. —— ?

12. elongatus. 22. *Lamk.*, An. s. Vert. *Hanleyana*, Phil. Rve. Icon. 6. Rio Janeiro.

13. clathratus. 9. *Desh.*, Pro. Z. Soc. 1854; Rve. Icon. 57. Hab. —— ?

14. acuminatus. 13. *Desh.*, Pro. Z. Soc. 1854; Rve. Icon. 58. Hab. —— ?

15. obesulus. 23. *Desh.*, Pro. Z. Soc. 1854. Peru.

16. Madagascariensis. 11. *Wood*, Ind. Test. Supp. 3. *exarata*, Krauss, Sudaf. t. 1. f. 7; *Keyi*, A. Adams. Madagascar.

17. meta. 14. *Rve.*, Icon. 64. Hab. —— ?

18. graniferus. 12. *Desh.*, Pro. Z. Soc. 1834; Rve. Icon. 43. Hab. —— ?

19. spinosus. 8. *Chemn.*, Wood, Ind. Test. 6. f. 11. *paxillus*, Rve. Icon. 55. *serrata?* Ceylon.

20. curtus. 20. *Sowb.*, Thes. Caraccas Bay, W. Columbia.

21. assimilis. 18. *Hanley*, Rve. Icon. 10. Panama.

22. semisulcatus. 10. *Hanley*, Rve. Icon. 56. E. Africa.—Var.? *sordida*, Rve. Icon. 32.

23. dentiferus. 17. *Hanley*, Pro. Z. Soc. 1843; Rve. Icon. 2. Panama.

24. asper. 16. *Hanley*, Rve. Icon. 12. Tumbez, Peru.

25. introradiatus. 15. *Rve.*, Icon. 64. Hab. —— ?

DONAX Pl. I.

Thes. 280

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## DONAX.—Plate II.

Fig.

27, 28, 29. RUGOSUS. 21. *Linn.*, Syst. Nat. Gold coast, W. Africa.

30, 31, 32. LÆVIGATUS. 30. *Desh.*, Pro. Z. Soc. 1854. California.

33–36. DENTICULATUS. 24. *Linn.*, Syst. Nat. W. Indies.

37, 38, 39. VARIABILIS. 27. *Say*, Amer. Conch. Pl. 61. f. 1. United States.

40, 41. BELLUS. 28. *Desh.*, Pro. Z. Soc. 1854; Rve. Icon. 41. Acapulco.

42, 43. OBESUS. 32. *Orb.*, Amer. Merid. Real Llejos, Central America.

44. ANGUSTATUS. 29. *Sowb.*, Thes. United States.

45. SAIGONENSIS. 31. *Crosse and Fisher*, Journ. Conch. 1864. p. 323. pl. 13. f. 7. *R. Saigon*, Cochin China.

46, 47, 48. CAYENNENSIS. 19. *Lamk.*, An. s. Vert. Panama, St. Elena, W. Columbia.

49, 50. PUNCTATO-STRIATUS. 33. *Hanley*, Pro. Z. Soc. Mazatlan, California.

51. CONRADI. 34. *Desh.*, Pro. Z. Soc. 1854; Rve. Icon. 29. California.

52. STRIATUS. 25. *Linn.*, Syst. Nat. *Lamarckii*, Desh.; Rve. Icon. 27. W. Indies.

53, 55. CONTUSUS. 35. *Rve.*, Icon. 24. *affinis*, Desh.? California; var.? *bitincta*, Rve. 68.

54, 56, 57. CALIFORNICUS. 36. *Conrad*, Amer. Journ. Sc. vol. vii. pl. 19. f. 21. *cultcr*, Hanley, Rve. Icon. 21. California.

W West imp.

G.B. Sowerby

# DONAX.—Plate III.

Fig.

58, 59, 60. TRUNCULUS. 52. *Linn.* *anatinus,* Lamk. Britain; Mediterranean.

61, 62, 63. VELLICATUS. 53. *Rve.,* Icon. 66. India.

64, 65. CUMINGII. 56. *Dunker,* Ind. Moll. Inf. Guin. p. 52. t. 8, f. 5, 6. Loada, Lower Guinea.

66–74. VITTATUS. 54. *Lamk.* *trunculus,* Wood, non Lamk.; var. f. 70; *D. semistriata,* Poli, Young; *Fabagella,* Lamk.? (f. 71, 72); *venusta,* Poli? *ruber,* Turt.? Great Britain and Mediterranean.

75. NITIDUS. 57. *Desh.,* Pro. Z. Soc. 1854. E. Australia.

76, 77, 78, 79. GRACILIS. 59. *Hanl.,* Rve. Icon. 38 (Test. Jun. f. 79). Gulf of Guayaquil.

80. NAVICULUS. 60. *Hanl.,* Rve. Icon. 18. Gulf Nicoyo, Central America; Mus. Cuming.

81, 82. PULCHELLUS. 61. *Hanl.,* Pro. Z. Soc. 1843. W. Indies.

83. ÆNEUS. 62. *Mörch,* Kierulf, Cat. Desh. Pro. Z. Soc. 1854. Hab. ——?

84, 85. POLITUS. 58. *Da Costa.—(Psammobia) D. complanatus,* Mont.; *D. longa,* Philippi, Test. Jun.; *D. variegata,* Rve. Icon. 45. Mediterranean and Sonth Britain.

86. PETALINUS. 63. *Desh.,* Pro. Z. Soc. 1854. Hab.——?

87. SERRA. 51. *Chem.,* Conch. Cab. vi. p. 257. pl. 25. f. 253. *D. ringens,* Lamk. Cape of Good Hope.

88, 89, 90. CUNEATUS. 39. *Linn.,* Syst. Nat. Ceylon.

116. SPICULUM. 64. *Rve.,* Icon. 67. Hab. ——?

117. INCONSPICUUS. 65. *Sowb.,* Thes. Hab. ——?

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## DONAX.—Plate IV.

Thes. Pl. 283.

Fig.

91–95. RADIANS. 44. *Lamk.*, An. s. Vert.—*D. sulcaria*, Desh.? (f. 95). Var. f. 95, *vittata*, Lamk. Borneo, Philippines.

96. TICAONICUS. 38. *Hanl.*, Rve. Icon. 13. Ticao, Philippines.

97. COMPRESSUS. 40. *Lamk.*, An. s. Vert. Sumatra.

98, 99. INCARNATUS. 43. *Chem.*, Conch. f. 259.—Var. *Dysoni*, Desh. Pro. Z. Soc.; Rve. Icon. 54. Siam.

100, 101. DELTOIDES. 37. *Lamk.*, An. s. Vert.—Var. (p. 101) *epidermia*, Lamk. New Holland.

102, 103. BICOLOR. 42. *Lamk.*, An. S. Vert. Isle of Negroes, Philippines, *Young.*—*Lubrica*, Hanl., Rve. 46.

104. OVALINUS. 47. *Desh.*, Pro. Z. Soc. 1854; Rve. 17. Hab. ——?

105. NUCULOIDES. 48. *Rve.*, Icon. 59. California, *Hinds.*

106, 107. ABBREVIATUS. 46. *Lamk.*, An. s. Vert.—*D. trifaseiata*, Rve. Icon. 7. Philippine Islands.

108, 109. FABA. 45. *Chemn.*, Conch. p. 267.—Var. (p. 108) *D. Deshayesii*, Dunker, Ind. Moll. Guin. Infer. p. 52. t. 9. f. 25, 26, 27. Lower Guinea, Philippines, Borneo.

110. SAXULUM. 26. *Rve.*, Icon. 60. Hab. ——? Mus. Hanley.

111. OBSCURUS. 50. *Rve.*, Icon. 68. Hab. ——? Mus. Hanley.

112. INCERATUS. 49. *Rve.*, Icon. 61. Hab. ——? Mus. Hanley.

113, 114, 115. COLUMBELLA. 41. *Lamk.*, An. s. Vert. Swan River.

116, 117. SPICULUM. See Plate III.

Thes 283

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# TYPHIS.

Thes. Pl. 284.

Fig.

1, 2. NITENS, 3, *Hinds, Voy. Sulph. Moll. p.* 10. *pl.* 3. *f.* 5, 6. Isl. St. Macassar.

3, 4, 5. ARCUATUS, 11, *Hinds, Voy. Sulph. Moll. p.* 10. *pl.* 3. *f.* 1, 2.—*T. Japonica,* A. Ad. Cape of Good Hope; Japan. Mr. Adams's collection.

6, 7. CORONATUS, 8, *Brod. Pro. Zool. Soc.* 1832. Bay of Caraccas. Cum. Coll.

8, 9. BELCHERI, 5, *Brod. Pro. Zool. Soc.* 1832. Cape Blanco.

10. QUADRATUS, 2, *Hinds, Voy. Sulph. Moll. p.* 10. *pl.* 3. *f.* 3, 4. Gulf of Nicoya; Bay of Guayaquil.

11, 12, 13. SOWERBYI, 1, *Brod. Pro. Zool. Soc.* 1832. Mediterranean.

14. CLERYI, 6, *Petit, Revue Zoologique,* 1840. New Zealand. Mr. Angas's collection.

15, 16. PINNATUS, 9, *Brod. Pro. Zool. Soc.* 1832. Hab.—? Mr. Wallace's collection.

17. CUMINGII, 10, *Brod. Pro. Zool. Soc.* 1832. Bay of Caraccas, Columbia. Cum. Coll.

18, 19. MONTFORTII, 7, *A. Adams, Ann. Nat. Hist.* Japan.

# TYPHIS

*Thes Pl 284*

# TRICHOTROPIS.

Thes. Pl. 285.

Fig.

1, 2, 3. BOREALIS, 1, *Brod. & Sowb.* Zool. Journ. iv. *p.* 375.—T. Atlantica, (p. 2) *Beck.* T. umbilicata, *Macg.* T. acuminata, *Jeffreys.* Behring's Straits; Greenland; N. Britain.

4, 5. CEDO-NULLI, 7, *A. Adams.* Japan.

6. COSTELLATA, 6, *Couthouy.* N. America.

7, 8. BICARINATA, 11, *Brod. & Sowb.* Japan.

9. INSIGNIS, 10, *Middendorf, Malac. Ross. p.* 107. *t.* 10. *f.* 7, 8, 9. Behring's Straits.

10. UNICARINATA, 12, *Brod. & Sowb.* Zool. Journ. iv. *p.* 376. Japan.

11. FLAVIDULA, 5, *Hinds, Voy. Sulph.*—*T. clathrata,* A. Ad.? Sitka, N.W. America.

12. CANCELLATA, 6, *Hinds,* Pro. Zool. Soc. 1843. Sitka, N.W. America.

13. KUZERI, 4, *Philippi, Menke Zeitschr.* 1848.—T. Dolium, *Petit, Journ. Conch.* ii. *pl.* 21. *f.* 4. T. ciliata, *Kuzer.* Spitzbergen.

14. INERMIS, 3, *Hinds, Voy. Sulph. pl.* ii. *f.* 13, 14. Sitka, N.W. America.

15, 16. QUADRICARINATA, 8, *A. Ad.* Japan.

17. CONICA, 9, *Müll.* Greenland.

# TRICHOTROPIS.

*Thes. Pl. 285*

# CERITHIUM.—Plate XII. (*Supplementary.*)

Thesaurus, Plate 290, following Pl. 186 in Pt. 16.

Fig.

304. CIRCINATUM, *A. Adams, Sowb. in Rve. Iconica,* 61. Hab. Isl. Mindanao, Philippines, *Cuming.*

305. SANDVICHENSE, *Sowb., Rve. Iconica,* 37. Hab. Sandwich Islands.

306. GRACILIFORME. *Sowb., Rve. Icon.,* 49. Hab. —— ?

307. TENUIFILOSUM, *Sowb.,* FILOSUM, *Sowb., Rve. Icon.,* 82, (the latter name pre-occupied). Hab. Isl. Bureas, Philippines.

308. PUPA, *Sowb., Rve. Icon.,* 84. Hab. Isl. Capul, Philippines.

309, 310. BERMUDÆ, *Sowb., Rve. Icon.,* 86. Hab. Bermuda.

311. UNILINEATUM, *Sowb., Rve. Icon.,* 99. Hab. Sandwich Islands.

312. UNDATUM, *Sowb.* From Mr. Hanley's collection.

313. EGENUM, *Gould, Otia, p.* 62. Hab. Wilson's Islands.

314. FUCATUM, *Pease, Rve.,* 102. Hab. Sandwich Islands.

315. NIVOSUM, *Sowb., Rve. Icon.,* 105. Hab. —— ?

316. ADENENSE, *Sowb., Rve. Icon.,* 89. Hab. Aden.

317. SIPHONATUM, *Sowb., Rve. Icon.,* 90. Hab. —— ?

318. OBESULUM, *Sowb., Rve. Icon.,* 149. Hab. —— ?

319. TENUIPUNCTATUM, *Sowb.* From Mr. Hanley's collection.

320. TÆNIATUM, *Sowb., Rve. Icon.,* 119. Hab. Cape, Natal.

321, 322. COARCTATUM, *Sowb.* From the collection of Mr. H. Adams.*

323. TENUISCULPTUM, *Sowb., Rve. Icon.*—Vertagus, 22. Hab. Australia.

324. BITUBERCULATUM, *Sowb., Rve. Icon.*—Vertagus, 17. Hab. Australia.

325. GOURMYI, *Crosse, Journ. de Conch., 3rd series, t.* 1, *n.* 2. Hab. New Caledonia.

326. SEMINUDUM, *Sowb., Rve. Icon.*—Vertagus, 24. Hab. New Caledonia.

327. BÆTICUM, *Pease, Rve. Icon.,* 114. Hab. Sandwich Islands.

328. ANGULIFERUM, *Sowb., Rve. Icon.*—Lampania, 1. River Pehio.

329. FILOSUM, *Gould.* From Mr. Hanley's collection.

330. TRICARINATUM, *Pease, Rve. Icon.,* 127. Hab. Sandwich Islands.

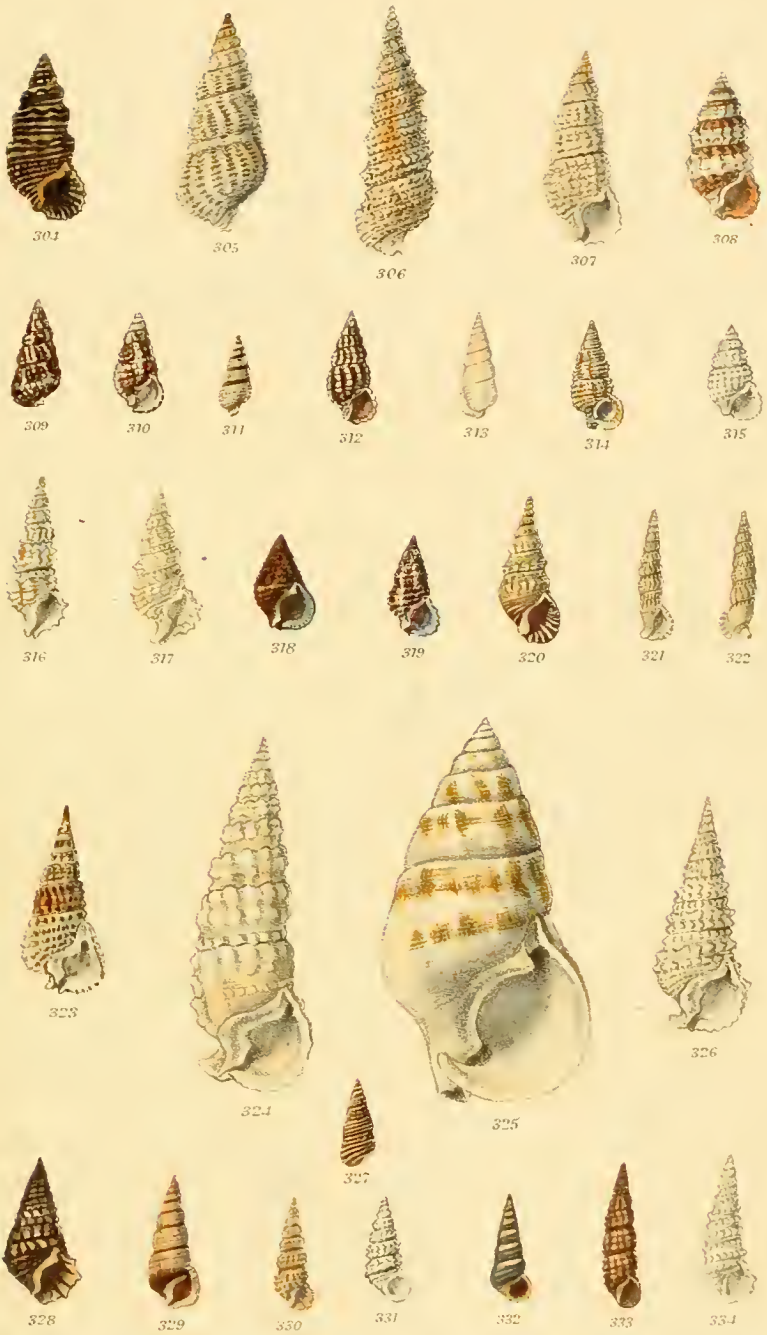
331. HANLEYANUM, *Sowb., Rve. Icon.*—Cerithidea, 16. Hab. —— ?

332. INSCULPTUM, *Sowb., Rve. Icon.,* 128. Hab. South Australia.

333. AFRUM, —? So named in Mr. Hanley's collection.

334. EXCAVATUM, *Sowb., Rve. Icon.,* 148. Hab. North Australia.

Collinæ *Macrochismæ* simili, sed anfractibus medianis angulatim inflatis, ad suturam moniliferis, ultimo contracto, infrà spiraliter bicostato: labro valde expanso.




W. West, imp.

C. B. Sowerby.

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